		APPLICATION TYPE										
		LIQUID	GRANULAR	MULTI-PRODUCT	VARIABLE-RATE CAPABLE	SLURRY CAPABLE	DIRECT INJECTION CAPABLE	ROADSIDE	COMBINE HARVESTER CAPACITY AND GRAIN LOSS MONITOR	FIELD MAPPING	OTHER MACHINE CONTROL AND MONITORING	ISOBUS COMPATIBLE
	834 *Reference Page 128*	YES										
	844-E, 854 *Reference Pages 126–127*	YES			YES							
	ARC *Reference Page 132*	YES	YES									
	TASC® 6100 *Reference Page 132*	YES	YES		YES							
	TASC 6200 *Reference Page 132*	YES	YES	YES	YES							
	TASC 6500 *Reference Page 132*	YES	YES	YES	YES		YES					
	TASC 6300, TASC 6600 *Reference Page 132*	YES		YES	YES		YES					
	85 *Reference Page 140*	YES			YES	YES						
	70 *Reference Page 148*	YES			YES						YES	
	LH 500 *Reference Page 142*		YES		YES	YES			YES		YES	
	LH 4000 *Reference Page 138*				YES							
	LH 765, LH 865 *Reference Page 144*								YES			
	POWERLINK 640 ISOBUS VIRTUAL TERMINAL *Reference Page 152*											YES
	IC24 JOB COMPUTER *Reference Page 153*	YES	YES								YES	YES
	IC34 JOB COMPUTER *Reference Page 153*	YES										YES
	LEGACY® 6000 SYSTEM *Reference Page 154*	YES	YES	YES	YES		YES	YES		YES	YES	

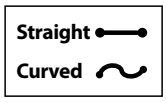
	GPS GUIDANCE TYPE											
	STRAIGHT AB PATTERN	CURVED AB PATTERN	HEADLAND PATTERN	CIRCLE PIVOT PATTERN	ADVANCED CURVED PATTERN	AUTOMATED STEERING (COMPATIBLE WITH FIELDPILOT)	TILT COMPEN-SATION COMPATIBLE	AUTOMATIC BOOM SECTION CONTROL	RATE CONTROL	MAPPING & DATA COLLECTION	INTERNAL GPS	AREA COUNTER
BOOMPILOT™ *Reference Page 121*								YES				YES
CENTERLINE® 230BP *Reference Page 120*	YES	YES	YES	YES	YES	YES	YES	YES			YES	YES
CENTERLINE 220 *Reference Page 119*	YES	YES				YES					YES	
LEGACY® 6000 *Reference Page 154*	YES	YES	YES	YES	YES	YES	YES	YES	YES 6 PRODUCTS	YES		YES

Compact Guidance for any Application

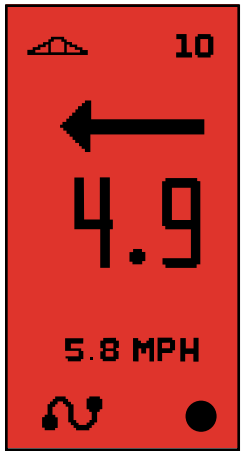
The compact CenterLine 220 is designed to let you profit from GPS lightbar guidance with any field operation. Inside the compact guidance system is a high-quality WAAS/EGNOS GPS receiver and the guidance capabilities that make TeeJet leaders in lightbar guidance.

- Versatile GPS guidance in a compact, portable package.
- LED Lightbar guidance plus a graphical display for complete guidance information.
- High-quality, 5 Hz internal GPS engine with external antenna.
- Simple setup gets you up and running in no time.
- Straight-line (parallel) and curved AB guidance modes.
- Integrated look-ahead functionality anticipates vehicle's future position.
- Return-to-point feature.
- Durable, sealed rubber keypad is easy to see and provides good tactile feedback.
- Provides RADAR-like speed signal output for use with other control systems that require a ground speed signal.

Working Page Layout



Guidance Mode



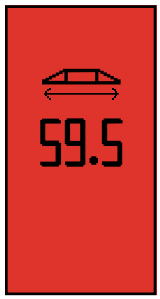
Swath Number

X-Track Direction

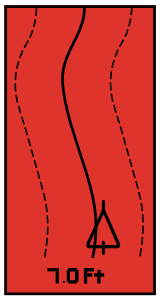
X-Track Distance

Speed

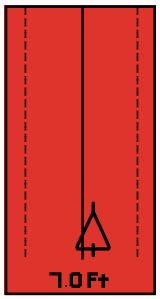
You have a point stored for return-to-point.



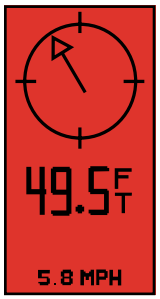
Set Swath Width Screen



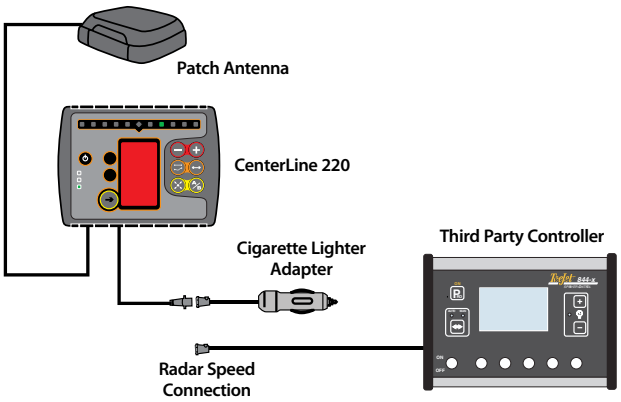
View Page Curved AB



View Page Straight AB



View Page Return-to-Point



How to Order

PART NUMBER	DESCRIPTION
90-02399	CenterLine 220 Kit, US Version
90-02400	CenterLine 220 Kit, Metric Version
90-02401	CenterLine 220 Kit, Autonomous Metric Version
90-02402	CenterLine 220 Kit, EGNOS

ACCESSORIES

78-50155	Patch Antenna
90-02349	RAM Mount Kit for CenterLine 220

CenterLine® 230BP GPS Guidance System

Advanced Guidance and Automatic Boom Section Control improves the way you work and puts money on your bottom line.

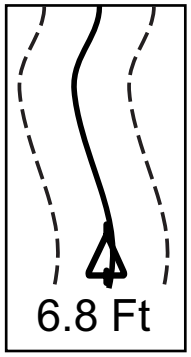
CenterLine 230BP combines effective GPS guidance with automatic boom section control. Guidance modes include Straight AB, Curved AB and headland modes. Setup is quick and easy, and the overhead map view is simple and intuitive.

Automatic boom section control uses your GPS location and a record of sprayed area to automatically switch off any sprayer boom sections that overlap a previously applied area. This capability is very useful on point rows, in situations where swaths are curved, and even at the end of each pass. Reducing overlap saves material inputs, crop stress, fuel, time and operator stress.

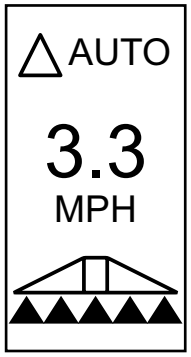
Automatic boom section control capability is built into the console. Simply connect the appropriate SmartCable to interface with your existing spray rate controller. CenterLine 230BP is compatible with most rate controllers, and installation is quick and easy.

- GPS guidance in Straight AB, Curved AB and headland modes
- Guidance information shown on numerical data page and intuitive map page
- Simple, intuitive operation with icon-based setup screens
- Automatic boom section control for up to 15 boom sections
- Saves money and time by using GPS to automatically control boom section off-on status
- High-quality internal GPS engine with small external antenna
- Compatible with FieldPilot automated steering systems
- Return to point feature
- Applied area counter

Working Page Layout



Guidance Map Page



Boom Section Control Page

How to Order

PART NUMBER	DESCRIPTION
90-02450	CenterLine 230BP US Console with TeeJet 800 series SmartCable (6 section)
90-02452	CenterLine 230BP US Console with Mid-Tech TASC/ARC SmartCable (6 section)
90-02453	CenterLine 230BP US Console with Raven 440/450/460 SmartCable (6 section)
90-02454	CenterLine 230BP US Console with Raven 4000 SmartCable (6 section)

BoomPilot™ Automatic Boom Section Control

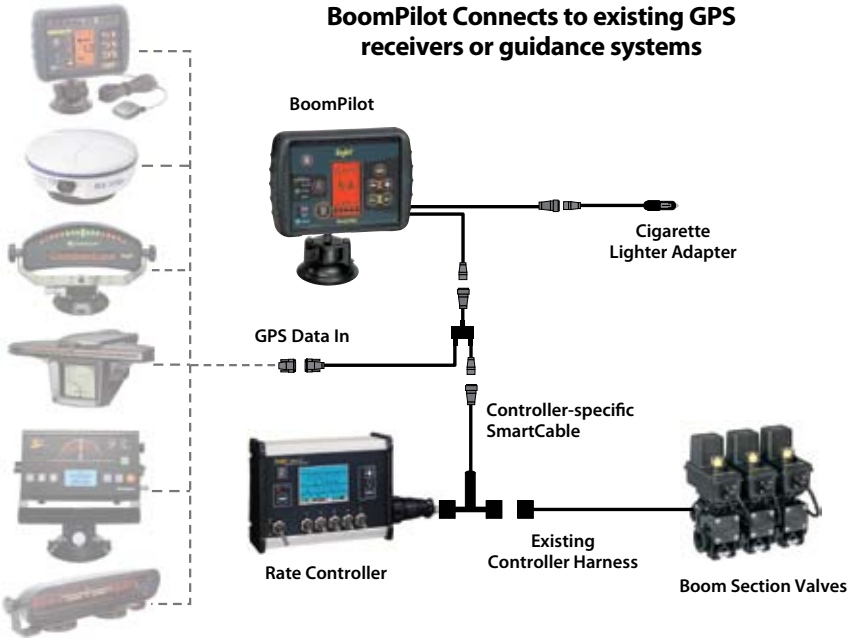
Automatic Boom Section Control for your GPS Lightbar System

BoomPilot is a quick and easy addition to almost any lightbar guidance system. Leverage your GPS guidance investment by adding BoomPilot and take advantage of the latest in sprayer automation. With the GPS data provided by your existing guidance system, BoomPilot will automatically switch off sprayer boom sections when they enter a previously applied area.

BoomPilot records the GPS location of the applied areas in your field. When a section of your sprayer boom overlaps one of these areas, that section is switched off automatically, and then switched back on when it re-enters an unapplied area. This automation is useful on point rows, on curved rows, and even at the end of each pass. Reduced overlap saves on material inputs, fuel and time, and operator stress.

Without BoomPilot

With BoomPilot



BoomPilot Connects to existing GPS receivers or guidance systems

- Connects to existing GPS receivers or guidance systems, leveraging an investment you have already made*
- Simple, intuitive operation with icon-based setup screens
- Automatic boom section control for up to 15 boom sections
- SmartCables connect with most common controllers to maintain accurate application rates and area measurement
- Easily adjusted overlap percentage and delay settings
- Manual override function
- Save money and time by using GPS to automatically control boom section off-on status

* Minimum GPS specification: 5 Hz GGA, 1 Hz VTG.

How to Order

PART NUMBER	DESCRIPTION
90-02457	BoomPilot US Console with TeeJet 800 series SmartCable (6 section)
90-02459	BoomPilot US Console with Mid-Tech TASC/ARC SmartCable (6 section)
90-02460	BoomPilot US Console with Raven 440/450/460 SmartCable (6 section)
90-02461	BoomPilot US Console with Raven 4000 SmartCable (6 section)

TeeJet® FieldPilot®

Assisted Steering with Precise Product Control

Better tools deliver better work and FieldPilot is the ultimate tool for field application work. Merging assisted steering with precise product control, FieldPilot will raise you to a new level of efficiency while reducing costs.

Applicators and farmers who have used the system say that FieldPilot is the best thing to happen to field application equipment in more than 30 years. Machine guidance, product control and even boom section on/off status are managed automatically. This frees the operator to keep track of other critical functions such as spray boom height, proper application patterns, vehicle speed, and the status of the tank or hopper.

We keep it simple too. All functions are controlled through only one console and simple, intuitive controls. This makes setup and training easier and reduces the confusion of running multiple systems side-by-side.

One Console Brings it Together

The console that ties the system together is the Legacy® 6000. It has a full-color display with resolution and brightness that stand out even in direct sunlight. The Legacy 6000 regulates liquid, granular, and anhydrous ammonia product application as well as seed population control. All application data—including maps—are stored for easy download and reporting when the job is complete.

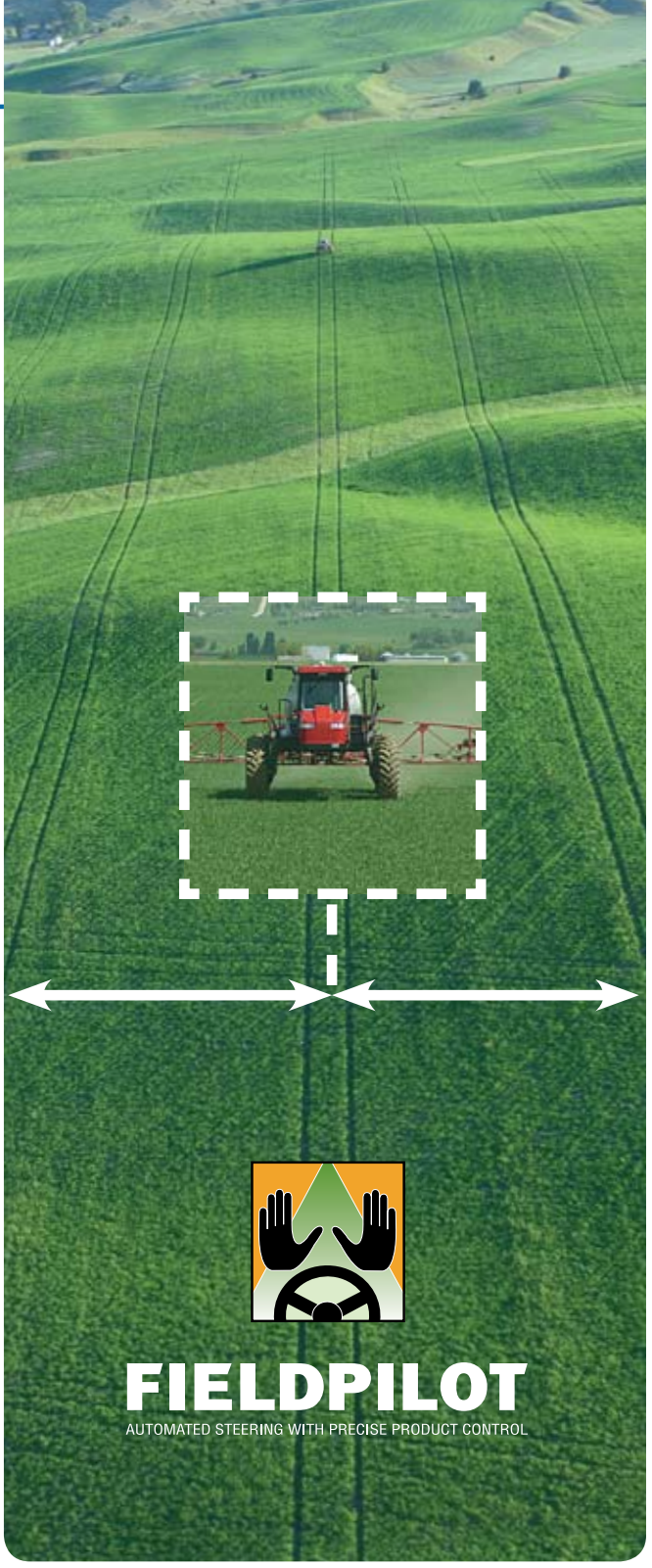
Legacy 6000 manages assisted steering too. Choose parallel, circle pivot, curved A-B, or headland guidance modes; then begin by pressing a key on the console to mark the A-B points. After the first pass is set, the operator makes the end-row turns manually, and after lining up for the next pass, a quick tap of the foot switch puts the machine back in assisted steering mode. The operator can manually override the steering at any time, and when the vehicle reaches a preset off-target distance, the system disengages.

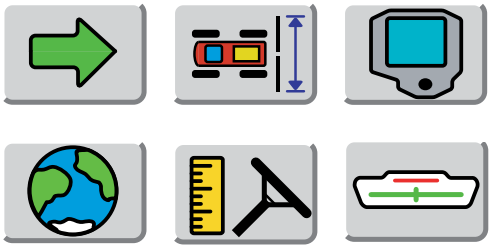
Total Machine Control

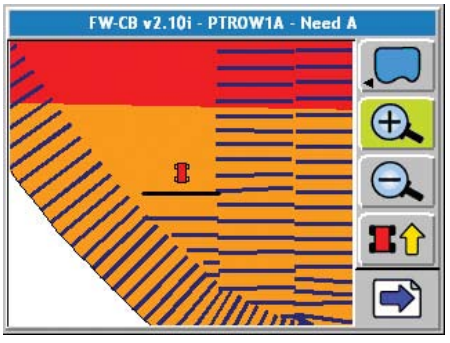
For total machine automation, the Swath Manager function integrates automatic boom section control for pinpoint accuracy on row ends and especially on point rows. Any time a sprayer section moves into a previously applied area, it is automatically switched off. The chemical savings you will see from reduced overlap will amaze you.

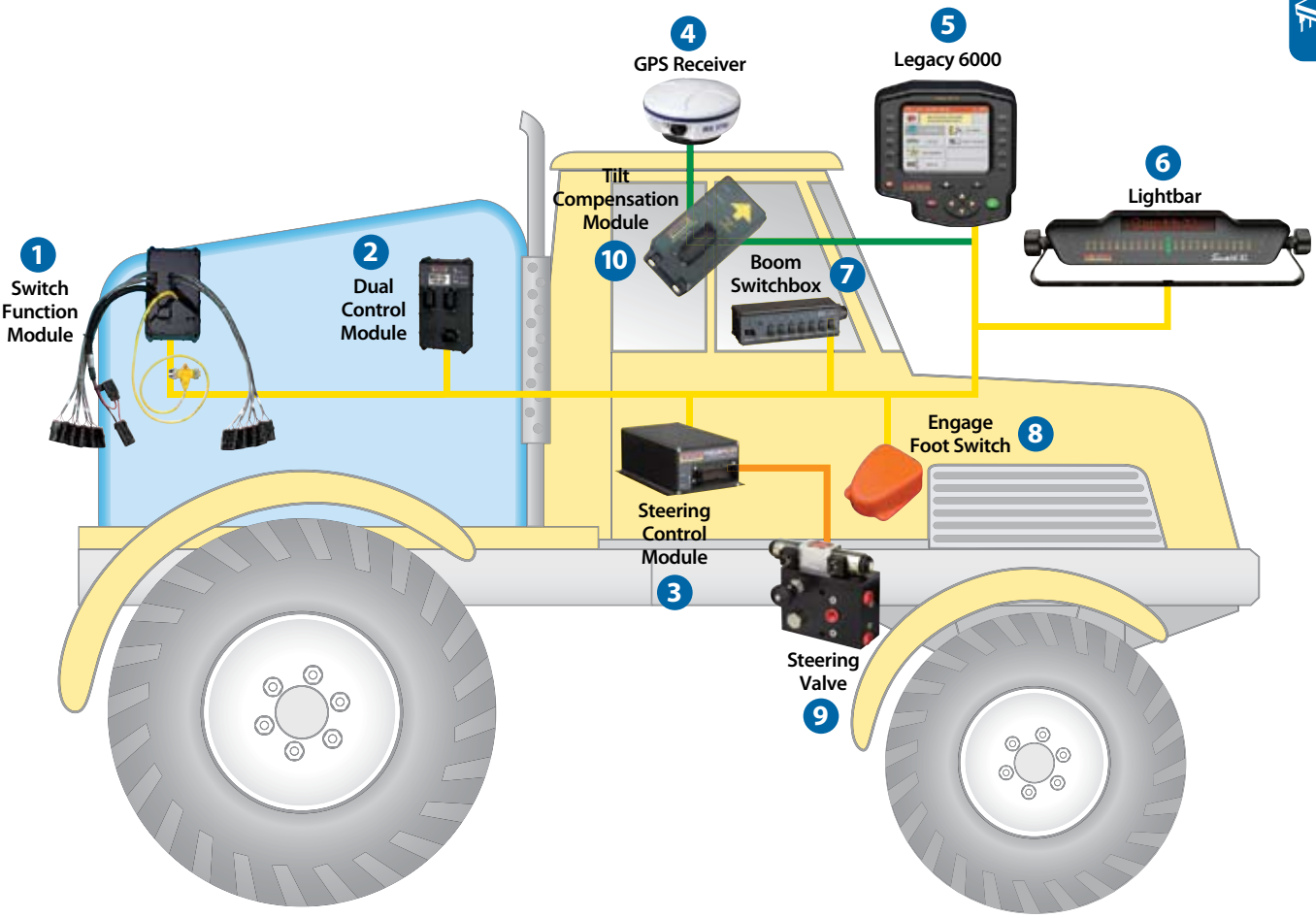
FieldPilot relies upon positioning from your choice of several GPS receivers. DGPS receiver systems are available for Beacon, L-band, or WAAS/EGNOS correction sources, and provide 6″–10″ (10–25 cm) pass-to-pass accuracy. Higher precision is available with Omnistar HP or Omnistar XP receiver systems, providing pass-to-pass accuracies of 2″–4″ (5–10 cm). FieldPilot is compatible with most GPS receivers that provide at least 5 Hz position updates.

FieldPilot will retrofit on most common sprayer, spreader, and tractor chassis. A complete list is available from your TeeJet representative or at www.TeeJet.com.









1 Switch Function Module

- Performs automatic or manual boom section control
- Works with Boom Switchbox located in cab, or an ISM reading the status of existing boom section switches
- One module controls up to 10 boom sections
- Additional module for up to 20 boom section control
- Connected to system via robust CAN-bus network

2 Dual Control Module

- Performs single or variable-rate application control
- Compatible with liquid, granular, NH3 and seeding applications
- Compatible with both Servo and PWM regulating valves
- Each DCM controls two products. Using three DCMs, up to six total products can be controlled simultaneously
- Connected to system via robust CAN-bus network

3 Steering Control Module

- Operates steering valve for hands-free steering
- Works with commands from Legacy 6000 console
- Assisted steering can be engaged from the Legacy console or from the optional foot switch
- Assisted steering disengages once machine exceeds operator preset distance from guideline
- Connected to system via robust CAN-bus network

4 GPS Receiver

- Provides accurate location information
- GPS location enables mapping, variable rate application, assisted steering, and as-applied records
- FieldPilot is compatible with most GPS receivers

5 Legacy 6000

- Single-user interface for entire machine control system including FieldPilot and application rate control
- Easy-to-read color display shows field maps, application information, and all setup information
- Maintains application records on a reliable data card for transfer back to the office and report generation
- Connected to system via robust CAN-bus network

6 Lightbar

- Provides visual feedback for manual guidance
- Helps operator instantly monitor steering performance when using FieldPilot-assisted steering
- Provides heads-up view of application information (application rate, area covered, etc.)
- Can be mounted inside or outside the cab
- Connected to system via robust CAN-bus network

7 Boom Switchbox

- Commands boom section off-on functions
- Manual or automatic modes for boom section control
- Controls up to 10 boom sections. Second stack-on switchbox controls Booms 11–20
- Easy to mount in a convenient location
- Can be replaced by Input Status Module for machines with built-in boom section switches
- Connected to system via robust CAN-bus network

8 Engage Foot Switch

- Convenient method of engaging assisted steering
- Connected to system via robust CAN-bus network

9 Steering Valve

- Connects to hydraulic steering system
- Performs accurate, reliable steering control
- Machine steers normally when FieldPilot is not engaged

10 Tilt Compensation Module

- Corrects GPS receiver output data in real-time to compensate for vehicle being on sloping terrain
- Connects to serial port on GPS receiver

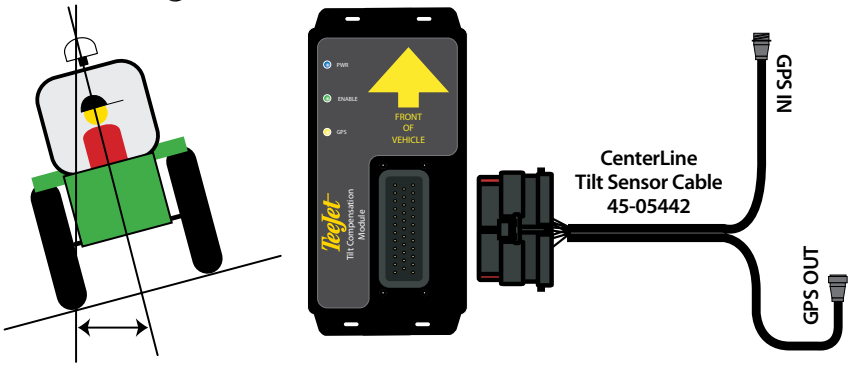
Contact your local TeeJet representative for more information.

Tilt Compensation Module

If your GPS antenna is mounted 12 feet (4 meters) above the ground, a 10% side slope can cause 2 feet (.6m) of position error. The new Tilt Compensation Module corrects GPS position errors caused by side-slope conditions. Mounted to a solid structure on your vehicle, the Tilt Compensation Module will intercept GPS signals from your receiver and provide corrected position data to your guidance device.

- Diagnostic LEDs indicate status of TCM (power status, operating status, and status of incoming GPS data).
- Weatherproof electrical connector for trouble-free operation.
- Mounting holes built into housing.
- Automatically detects GPS sensor baud rate and adjusts output accordingly.
- Compatible with Swath XL, GuideLine, CenterLine, and Legacy 6000 guidance systems.

90-02331

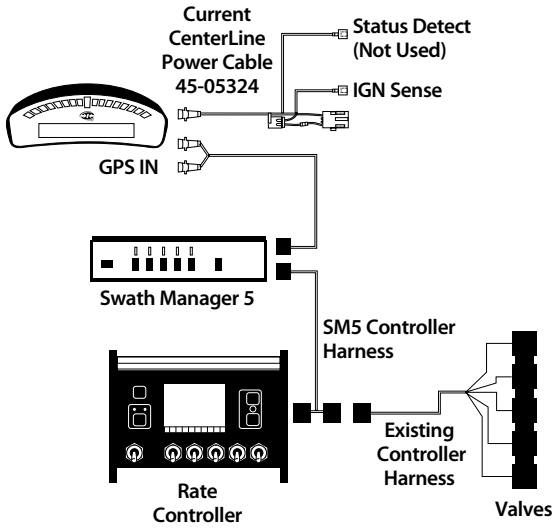


How to Order

PART NUMBER	DESCRIPTION
90-02331	Tilt Compensation Module Kit for Guidance Systems
90-02332	Tilt Compensation Module Kit for Legacy 6000
45-05442	Cable, Tilt Compensation, Conxall
45-05441	Cable, Tilt Compensation, DB9
78-08038	Module, Tilt Compensation

Swath Manager 5

Add the Swath Manager 5 to your CenterLine lightbar and get automatic boom section control of up to five boom sections. The CenterLine and Swath Manager 5 store information about where you have sprayed. When you overlap these areas, the corresponding boom sections are switched off. The Swath Manager can interface to your existing spray rate controller to ensure accurate application rates and area accumulation.



How to Order

PART NUMBER	DESCRIPTION
90-02344	Swath Manager 5 Basic, CenterLine to 844/854
90-02345	Swath Manager 5 Basic, CenterLine to ARC/TASC
90-02346	Swath Manager 5 Basic, CenterLine to Raven 440
90-02385	Swath Manager 10 Kit

TeeJet® GPS Receivers

TeeJet offers a full range of high-quality GPS receivers to fit your precision farming needs. Economical WAAS and EGNOS 'smart antennas' are convenient and affordable. Other receivers provide more differential correction options for maximum flexibility.

GPS Antenna

RX 370p

- New design incorporates antenna and receiver in one permanently sealed package.
- Compatible with free WAAS and EGNOS correction signals.
- Produces a radar-like speed signal output compatible with many control and monitor systems.
- Cruise technology maintains accuracy during brief correction signal outages.
- Up to 10 Hz position update rate makes this receiver fully compatible with manual and automatic lightbar guidance systems.
- Pre-configured for plug-and-play compatibility with TeeJet guidance systems.
- CAN NMEA 2000 output.

RX 410p

- Flexible receiver is compatible with WAAS/EGNOS, Coast Guard Beacon, and L-band corrections.
- Cruise technology keeps running even during brief differential signal losses.
- Setup wizard guides user through setup process.
- On-board display and buttons permit easy configuration and status checks.
- Separate antenna is compatible with GPS, WAAS, Beacon, and L-band signals.

RX 500

- Sub-meter performance with free WAAS or EGNOS corrections.
- Decimeter (2"–4"/5–10 cm pass-to-pass) accuracy with Omnistar HP or XP subscription.
- Precision antenna mounted remotely from receiver unit.
- Five Hz update rate standard. User-configurable for up to 20 Hz update rate. (Upgrade fee may apply).
- Three serial RS232 ports and one USB I/O port.

How to Order

PART NUMBER	DESCRIPTION	(WAAS/ EGNOS) (SUB-METER)	OMNISTAR VBS (SUB-METER)	BEACON (SUB-METER)	OMNISTAR HP/XP (DECIMETER)	E-DIF (METER +)
78-50148	RX370p Standard WAAS	Yes				Yes
78-50152	RX370p Autonomous					
78-50153	RX370p EGNOS 120,126	Yes				
78-50154	RX370p e-Dif					Yes
78-50159	RX410p	Yes	Yes	Yes		Yes
78-50151	RX500	Yes	Yes		Yes	

Enjoy a new generation of flexibility and power with the TeeJet 854 Sprayer Control. This innovative new product combines the simple operation and programming of the proven TeeJet line with features not available until now in spray control systems.

TeeJet 854 Sprayer Control delivers features you need

- Rugged construction, sealed switches and non-volatile memory mean dependability that will not let you down.
- Single-connection wiring system provides durability that is clutter-free.
- Front panel has clear instructions for easy operation.
- Saves summary reports on up to 10 jobs.
- Auto-Master can be set to automatically switch boom sections on and off at predetermined speeds.
- Auto tank fill allows the console to control tank-filling operations.
- Dual boom capability means wider ranges of speed and application rate.
- Smart Sensing automatically selects between pressure or flow sensors, choosing the best sensor for that application.
- Communications port for printer, PC, and GPS connections.

How to Order

PART NUMBER	DESCRIPTION
75-50001	854 Console
90-02108	854 Core Kit (console, mounting brackets, 26'/8.2m harness, user guide)
90-02250	854 Core Kit with short (16'/5m) main harness
90-50226	854 Core Kit, no cables
90-02236	854 Core Kit with Portuguese user guide
90-02237	854 Core Kit with Portuguese user guide, no cables

TeeJet® 844 Series Sprayer Controls

The TeeJet 844 Sprayer Control offers spraying advantages not found in other controllers. Designed with simplicity in mind, computer-controlled spraying has never been so easy. Simply set your target application rate and the unique VisiFlo display on the 844 helps select the right TeeJet tip for the application. Once spraying begins, the large display shows application rate, volume sprayed, system pressure, sprayer speed, and area covered.

The built-in planning tool on the 844 automatically displays the speed needed to achieve the target rate with the specified tip. It will also calculate the pressure necessary for achieving the target application rate when the speed is entered.

The 844 is available in a complete package with the valves, cables and sensors needed to put together a total sprayer control system, or as an individual controller.

Features:

- Full-featured sprayer control with industry-leading ease of use.
- Large backlit display shows all spraying information at a glance.
- Color-coded tip selection for easy programming.
- Communication port for PC and GPS interfacing.
- Flow- or pressure-based regulation options provide reliability and flexibility.
- Five boom section switches plus master shutoff.
- Durable, weather-resistant aluminum housing.
- Single cable connection for quick hookup.

How to Order

PART NUMBER	DESCRIPTION
90-02251	844E-5 Core Kit with 16'/5m main harness
90-50143	844E-5 Core Kit without cables
90-50017	844E-5 Core Kit with 26'/8 m main harness

The TeeJet 844-AB is designed exclusively for orchard spraying and is available with a conventional wiring system or junction box to customize features.

Features:

- Convenient operation. Individual boom control switches allow the operator to accurately manage spray application by changing spray patterns according to tree height.
- Greater accuracy. When a boom section is shut off, the system can automatically maintain system pressure. This prevents over-application when spraying sections of smaller trees.
- Improves efficiency. Individual boom controls allow you to shut off boom sections from the tractor seat. Time will no longer be wasted getting on and off the tractor to shut off valves.
- On-the-go swath width adjustment allows operator to go from one orchard to another without reprogramming.
- Automatic control is fast and stable.
- Built-in planning tool helps match application rate, tip capacity, and pressure.
- Large backlit display shows all spraying information at a glance.
- Control up to four boom sections plus master shutoff.
- Flow- or pressure-based regulation options provide reliability and flexibility.
- Single cable connection for quick hookup.

How to Order

PART NUMBER	DESCRIPTION
90-50018	Core Kit, 844-AB-4 (console with mounting brackets, cables and manual)
75-50007	Console only, 844-AB-4

TeeJet® 834 Sprayer Control

The TeeJet 834 is a convenient and fully automatic sprayer control. Designed to be easy to use and reliable, the 834 control system is ideal for applicators who want the precision of computerized rate control without the complexity of more sophisticated systems.

Features:

- Compact size for convenience and easy mounting.
- Rugged aluminum construction symbolizes quality construction and reliability.
- Simple programming with only five values needed.
- Operating tips on the front panel make it convenient to recall programming steps.
- Manual mode is available for special application needs.

How to Order

PART NUMBER	DESCRIPTION
90-50014	Core Kit, 5-switch console (pressure based, US units), cables, brackets and pressure sensor
90-50015	Core Kit, 5-switch console (pressure based, metric units), cables, brackets and pressure sensor

Note: Above kits do not include speed sensors, regulating valves or shutoff valves. See Sensor, Regulating Valve and Shutoff Valve sections of this catalog for sensor and valve options to fit your system.

TeeJet® 834-P Sprayer Control

The 834-P is specially designed for use on smaller sprayers with 12-volt electrical product pumps. Rather than controlling a regulating valve, as most spray controllers do, the 834-P simply controls the pump RPM to change the application rate. Built around the easy-to-use 834 controller, the 834-P will give you accurate control with minimal up-front set-up time. Simple plumbing and setup make this an ideal control system for ATV sprayers and other compact mobile sprayers.

Features:

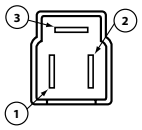
- Simple programming and setup.
- Pressure sensor-based control means easy installation.
- Clear display shows application rate, system pressure and speed.
- 25-amp capacity for use with larger pumps.

How to Order

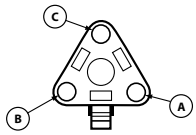
PART NUMBER	DESCRIPTION
90-50225	Core Kit (includes console, mounting brackets, cables, booster module, pressure sensor, proximity speed sensor and manual)
75-50048	Console only

CONSOLE CONNECTOR			
Pin No.	Wire Color		Signal Name
B	White		Section 1
C	Brown		Section 2
D	Green		Section 3
E	Yellow		Section 4
F	Gray		Section 5
R	White		Flow Signal
S	White		Pressure Signal
T	White		Speed Signal
V	Brown		Power Out
a	White		Regulating Valve (+)
b	Brown		Regulating Valve (+)
c	Blue		+ 12 VDC
d	Blue	Pink	Ground Free End (Valves)
e	Red	Black	+ 12 VDC Free End

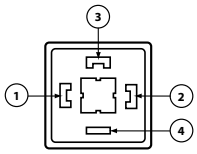
POWER CONNECTOR		
Pin No.	Wire Color	Signal Name
1	Brown	+ 12 VDC
2	N/C	———
3	Blue	Ground



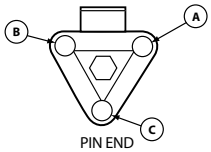
SPEED SENSOR CONNECTOR		
Pin No.	Wire Color	Signal Name
A	Brown	Power Out
B	White	Speed Signal
C	Green	Ground



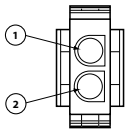
PRESSURE SENSOR CONNECTOR		
Pin No.	Wire Color	Signal Name
1	Brown	Power Out
2	White	Pressure Signal
3	N/C	———
4	N/C	———



FLOW SENSOR CONNECTOR		
Pin No.	Wire Color	Signal Name
A	Brown	Power Out
B	White	Flow Signal
C	Green	Sensor Ground



REGULATOR CONNECTOR	
Pin No.	Wire Color
1	White
2	Brown



How to Order

Cables for 854 Console:

PART NUMBER	DESCRIPTION
45-05210	Direct Cable for 854, 26′ (8m) 5 Section

Cables for 834, 844 Consoles:

PART NUMBER	DESCRIPTION
45-20065	Direct Cable, 26′ (8m), 5 Section
45-20066	Direct Cable, 14′ (4.2m), 5 Section
45-20000	Junction Box Cable, No Power Connection, 21′ (6.4m) Valve Cables, 5 Section, with DIN Connectors
45-20072	Junction Box Cable, 6′ (1.8m) Valve Cables, 5 Section, with DIN Connectors
78-05043	Direct Cable, for 10′ (3m), 10 Section
45-10046	Direct Cable, 10′ (3m), 17′ (5.2m) Speed Lead, 5 Section

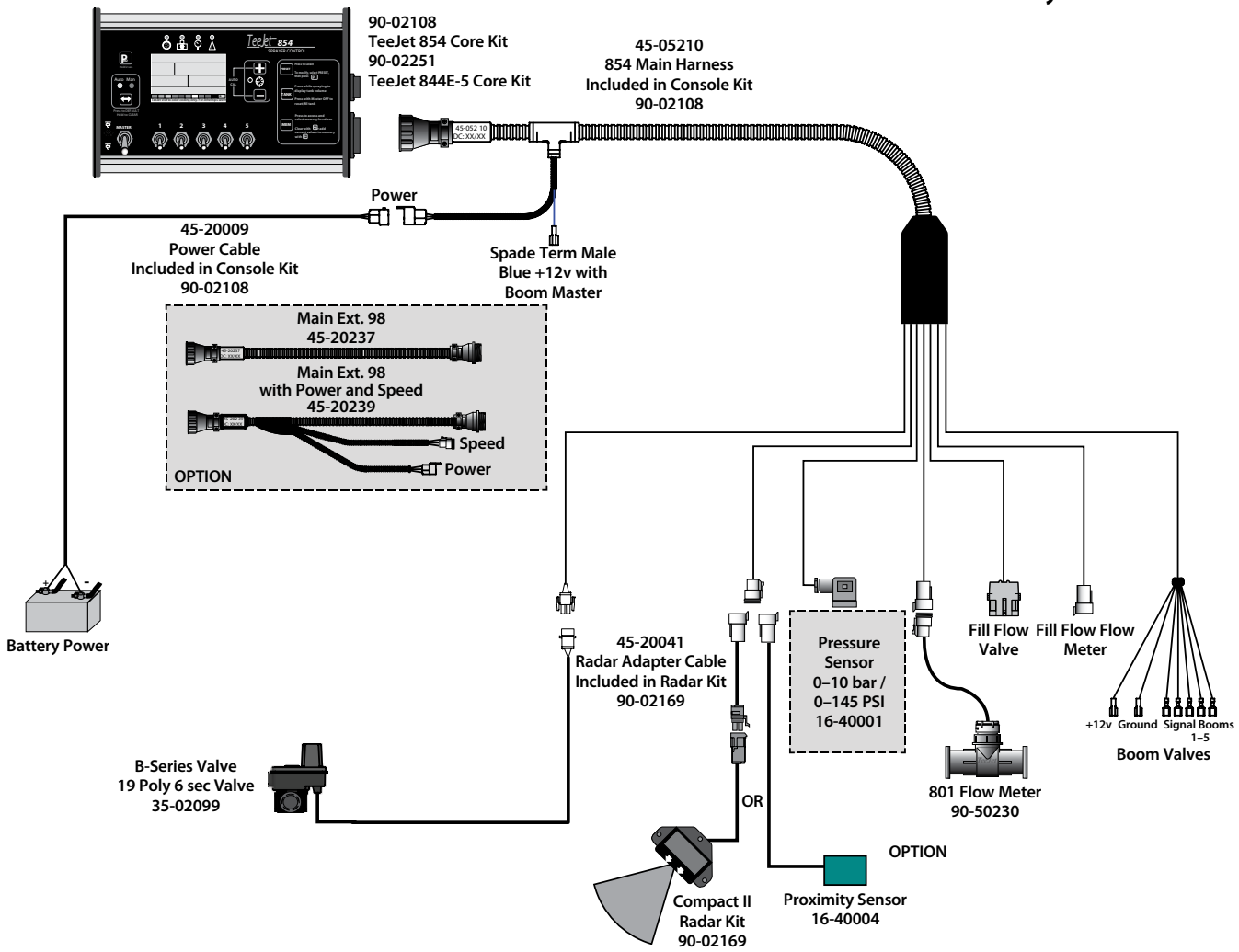
Extension Cables for 834, 844, 854 Consoles:

PART NUMBER	DESCRIPTION
45-20239	SprayLink Ext. w/Power and Speed Leads, 10′ (3m), 5 Section
45-20243	SprayLink Ext. w/Power (Ring Terminals), 15′ (4.6m), 5 Section
45-10050	SprayLink Ext. w/Power (Ring Terminals), 10′ (3m), 10 section
45-20237	SprayLink Ext. 10′ (3m), 5 or 10 Section
45-20240	SprayLink Ext. 13′ (4m), 5 or 10 Section
45-20242	SprayLink Ext. 23′ (7m), 5 or 10 Section
45-20238	SprayLink Ext. 33′ (10m), 5 or 10 Section

General Purpose Cables for all TeeJet Consoles:

PART NUMBER	DESCRIPTION
45-20009	Power Cable, 12 Feet (3.7m)
45-20017	Wheel Speed Extension Cable, 15 Feet (4.6m)
45-20084	"Y" Adapter Cable—DICKEY-john Cable Splitter
45-20025	"Y" Adapter Cable—DICKEY-john or Magnavox (John Deere Tractor)
45-20026	"Y" Adapter Cable—DICKEY-john (CASE/IH)
45-20027	"Y" Adapter Cable—DICKEY-john or Magnavox (JD7000/8000)
45-20028	"Y" Adapter Cable—DICKEY-john (Cat 65C/75C)
45-20029	"Y" Adapter Cable—DICKEY-john (CAT 65/75)
45-20030	"Y" Adapter Cable—DICKEY-john (Ford/White)
45-20031	"Y" Adapter Cable—DICKEY-john (Ford Genesis)
45-20040	Radar Adapter Cable (Magnavox), 12 Inches (0.3m)
45-20041	Radar Adapter Cable (Magnavox), 15 Feet (4.6m)
45-20042	Radar Adapter Cable (DICKEY-john), 12 Inches (0.3m)
45-20043	Radar Adapter Cable (Raven), 12 Inches (0.3m)
45-20044	Adapter Cable (Micro-Trak/Trak Star), 15 Feet (4.6m)
45-20032	Convenience Power Cable for John Deere, 6 Feet (1.8m)
45-20033	Convenience Power Cable for Case/IH, 6 Feet (1.8m)

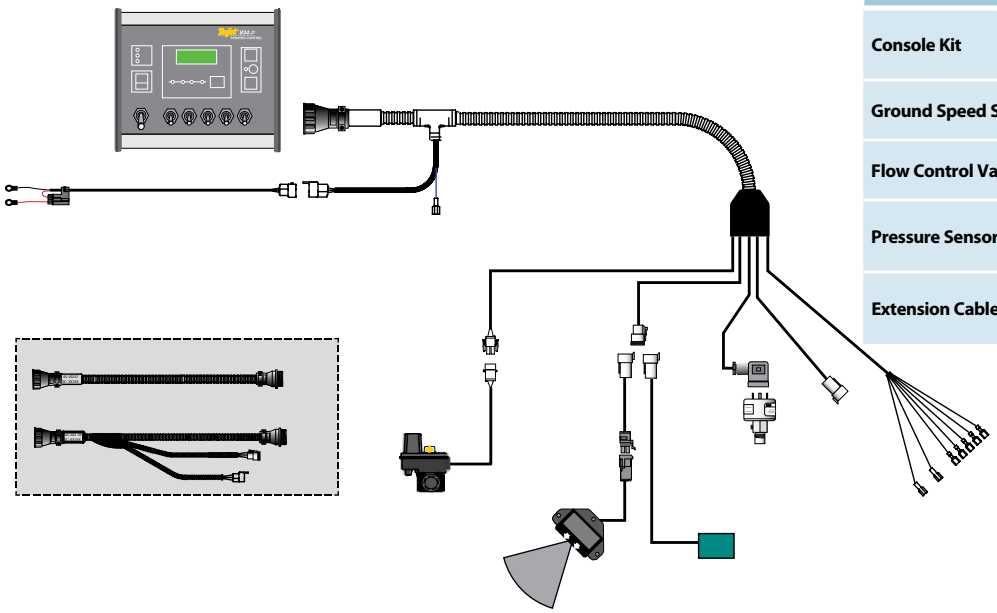
TeeJet 854/844E System Guide



854/844E Series System Checklist

	PART NUMBER	DESCRIPTION
Core Kit	**90-02108** **90-02251**	854 Controller 5-Switch Core Kit 844E-5 Controller Core Kit
Ground Speed Sensor and/or Cable (See Page 164)	**16-40004**	Proximity Speed Sensor
Flow Meter (See Pages 162–163)	**90-50230**	801-PP Flow Meter, Hose Barbs with 1″ Hose Barbs, 2.5–60 GPM (9–230 l/min)
Flow Control/Regulating Valve (See Page 167)	**35-02099**	Regulating Ball Valve, 1″ NPT
Pressure Sensor (See Page 164)	**16-40001**	Pressure Transducer 0–145 PSI (0–10 bar)
Extension Cables (See Page 129)	**45-20239**	10′ (3 m) Extension Cable

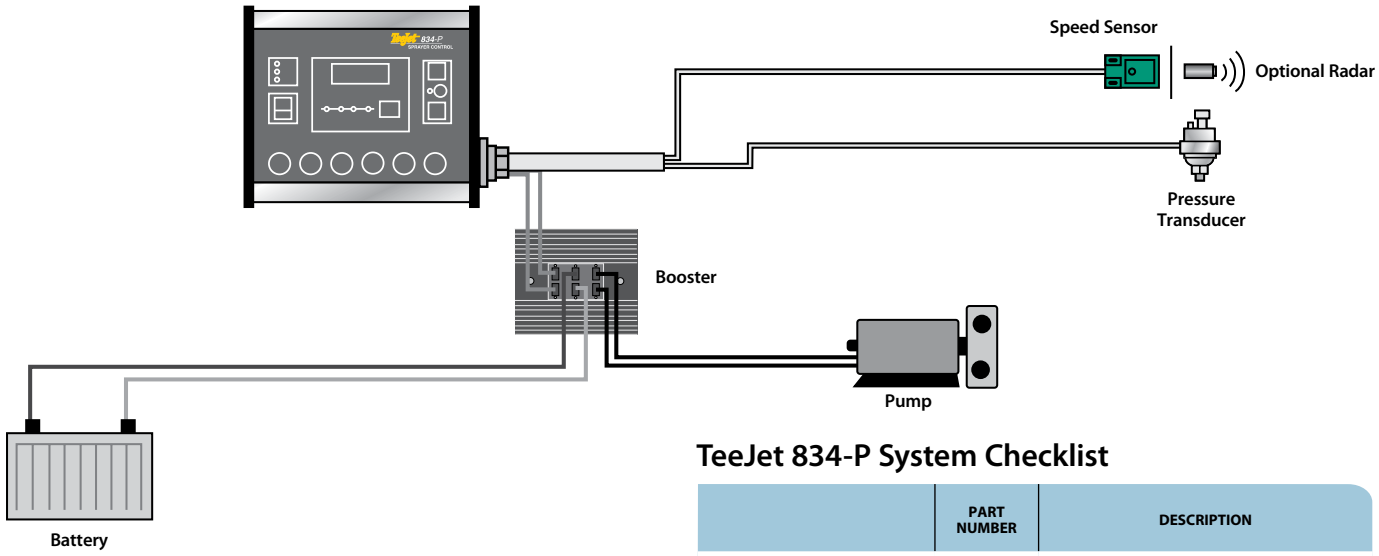
TeeJet 834 System Guide



TeeJet 834 System Checklist

	PART NUMBER	DESCRIPTION
Console Kit	**90-50014** **90-50015**	US 834 Core Kit Metric 834 Core Kit
Ground Speed Sensor	**16-40004**	Proximity Speed Sensor
Flow Control Valve	**35-02099**	6-Second Regulating Valve
Pressure Sensor	**16-40001**	145 PSI/10 bar Pressure Sensor – ¼" NPT
Extension Cables	**45-20237**	9' (2,7 m) Main Extension Cable

TeeJet 834-P System Diagram



TeeJet 834-P System Checklist

	PART NUMBER	DESCRIPTION
834-P Kit	**90-50225**	Complete 834-P Kit
Console	**75-50048**	834-P Console
Ground Speed Sensor (included in 90-50225 kit)	**16-40004**	Proximity Speed Sensor
Pressure Sensor (included in 90-50225 kit)	**16-40001**	Pressure Sensor, 145 PSI/10 bar , ¼" NPT
Booster Module (included in 90-50225 kit)	**78-08012**	Booster Module, 25 AMP
Cable Set (included in 90-50225 kit)	**90-02109**	Cables to Connect Console, Sensors, Battery and Booster

ARC and TASC Series Features:

- Large, backlit LCD display shows speed, application rate, total applied, working width, distance covered, field area and total area.
- Scan feature monitors and displays all functions.
- Error message system signals misapplication and identifies problem source.
- Ground Speed Override function can be set to match operating conditions.
- All TASC and ARC consoles carry CE certification.
- Non-volatile memory retains settings and data when disconnected from power.
- English and metric operating modes.
- Variable Rate-ready consoles can be connected to Mid-Tech® printers or Mid-Tech Data Link for variable-rate applications.
- Upgradable firmware.

TASC 6500

Data Link

MODEL	NUMBER OF PRODUCTS	LIQUID/DRY	VARIABLE RATE READY	INJECTION READY
ARC 6000	1	Both	No	No
TASC 6100	1	Both	Yes	No
TASC 6200	2	Both	Yes	No
TASC 6300	Carrier + 3 Injection	Liquid	Yes	Yes
TASC 6500	Dual-product + 3 Injection	Both	Yes	Yes
TASC 6600	Carrier + 6 Injection	Liquid	Yes	Yes

PART NUMBER	DESCRIPTION	NOTE	POWER
CONSOLE KITS (CE VERSION)			
90-02154	ARC 6000 Console Kit, liquid and dry programming	a	*
90-02160	TASC 6000 Console Kit	a	*
90-02157	TASC 6300 Console Kit	a	*
90-02158	TASC 6600 Console Kit	a	*
90-02155	TASC 6500 Console Kit	a	*
90-02159	TASC 6200 Console Kit	a	*
90-02156	TASC 6100 Console Kit	a	*
OPTIONS			
401-0010	Console Power Cable, 18′ (5.5 m)		
401-0102	Console Power Cable Extension, 20′ (6.1 m)		
45-05013	Console Power Cable, 35′ (10.7 m)		
815-0009	ARC/TASC Console Mounting Bracket		
851-0010	Console Mounting Knob		

Data Link Module

Data Link modules enable serial communication from all TASC consoles.

- Use a Data Link to connect a TASC console to an external GPS-connected mapping processor to conduct variable rate applications.
- Connects to external device with standard DB-9 serial connector.
- Built-in LEDs confirm communication status.
- Data Link receives power from the console to which it is connected.
- ARC consoles are not compatible with external communications.

How to Order Data Link

PART NUMBER	DESCRIPTION
405-0069-96V	Data Link Module (original protocol)
78-05007	Data Link Module, TASC with 5.0 Software ('98 protocol)

a—Includes an 18′ (5.5 m) console power cable, mounting knobs, manual and mounting bracket.

*Requires a power lead.

ARC and TASC® Switchboxes and Cables

TASC switchboxes are available to control many types of common boom section valves. These switchboxes connect to the valves directly and provide boom section status information to TASC consoles.

Boom Control

PART NUMBER	DESCRIPTION	NOTE
405-0036	5-Boom Section Boom Status Cable	
405-0038	9-Boom Section Boom Status Cable	
OPTIONS		
405-0039	Ground Speed Override Switchbox	
405-0041	Ground Speed Override Switch, Panel Mount	
404-0050	Off/Auto/GSO Panel Mount Switch	
SWITCHBOX AND HARNESSES FOR SOLENOID TYPE VALVES		
405-0037	Switchbox, Master with 3 Boom Sections	i
402-0007	Solenoid Harness for 405-0037 above—25′ (7.6 m)	
405-0035	Switchbox, Master with 5 Boom Sections	i
402-0011	Solenoid Harness for 405-0035 above—18′ (5.5 m)	
405-0054	Switchbox, Master with 9 Boom Sections	j
404-0037	Solenoid Harness for 405-0054 above—25′ (7.6 m)	
OPTIONS		
602-0013	3-Boom Solenoid Harness Extension Cable (for 405-0037)—12′ (3.7 m)	
402-0004	5-Boom Solenoid Harness Extension Cable (for 405-0035)—18′ (5.5 m)	
SWITCHBOX FOR MOTORIZED BALL VALVES		
405-0053	Switchbox-Motorized Valves, Master with 3 Boom Sections	k, i
405-0034	Switchbox-Motorized Valves, Master with 5 Boom Sections	k, i
405-0065	Switchbox-Motorized Valves, Master with 9 Boom Sections	k, i
ADAPTER CABLES FOR MOTORIZED VALVE SWITCHBOXES		
402-0023	Cable to Spraying Systems 344AE—15′ (4.6 m)	
402-0024	Cable to Spraying Systems 344AEC—15′ (4.6 m)	
404-0071	Cable to Wiring KZ#60 OR #60B Valves—15′ (4.6 m)	
402-0039	Valve Extension Cable—3′ (1.0 m)	m
402-0024	Valve Extension Cable—15′ (4.6 m)	m
402-0028	Valve Extension Cable—25′ (7.6 m)	m

i—GSO switch incorporated in box. Connections for Implement Status and Auxiliary Power provided.

j—GSO switch incorporated in box. Connectors for Auxiliary Power [no Implement Status].

k—Choose one Cable FOR EACH VALVE from the list following.

m—Extension Cables must be placed on the Switchbox side of any Adapter Cables used.

Switchboxes

Single-boom or dual-boom switchboxes incorporate Off, Auto (On) and Ground Speed Override (GSO) functions into a single unit. Boom sense cables are available for vehicles with built-in control switches.

PART NUMBER	DESCRIPTION	NOTE
405-0075	Single-Conveyor Switchbox with Off/Auto/GSO	w
405-0098	Dual-Boom Switchbox with Off/Auto/GSO—to twin Mid-Tech® Connectors	w, x
404-0062	Switchbox with Off/Auto/GSO	y
404-0050	Off/Auto/GSO Panel-Mount Switch	y
105-0024	Air-Max Switchbox, Dry only (LH/RH Boom off)	z, w
105-0025	Air-Max Switchbox w/Wet Boom (LH/RH Boom off)	z, w
405-0036	Boom Status Cable	

Granular Switchbox

w—Incorporates Boom Status Cable

x—Use 402-0040 or 402-0065 to adapt DICKEY-john 360 Slot Sensor to this box.

y—Use in conjunction with Boom Status Cable.

z—Requires special cables. Refer to the Air-Max system.

Application Rate Sensors

Rate sensors are used to measure the speed of the conveyor. Slotted disk sensors can be mounted on a conveyor drive, idler or jackshaft. Inductance type sensors can read from a sprocket or gear mounted on the conveyor drive or jackshaft.

PART NUMBER	DESCRIPTION	NOTE
16-05000	Gear Sensor	ff, dd
16-05004	Gear Sensor w/20′ (6.0 m) Cable	aa, dd
120-0009	360 Slot Application Rate Sensor w/10′ (3.0 m) Cable	cc
120-0042	Inductance Rate Sensor w/9′ (2.7 m) Cable	aa, dd
67-00004	1″ Round Shaft Coupler for 120-0009	

aa—Requires a metal object (i.e., Sprocket Teeth) from which to read pulses. Contact TeeJet.

cc—Does not require an Adapter Cable when used with 404-0061 or 404-0047.

dd—Use with 405-0098 or with Standard Flow Control Cable 404-0022, or with 405-0074 and 405-0174 Power and Flow Control Harnesses.

ff—Requires 45-06114 or 45-05141 Cable.

CO-APPLICATION COMPONENTS

PART NUMBER	DESCRIPTION	NOTE
105-0007	Chemical Flow Monitor, Alarm Console–4 Position	
405-0066	Hopper Level Interface Cable	
600-0056	12 VDC Motor Assembly w/Sensor	
120-0008	30 Slot Application Rate Sensor–12′ (3.7 m) Cable	ee
120-0008-P	60 Slot Application Rate Sensor–12′ (3.7 m) Cable	ee
120-0040	Proximity Sensor w/6′ Cable, Amp Connector	mm
120-0043	Proximity Sensor w/9′ Cable, Amp Connector	mm
105-0104	40 AMP Granular Bin Driver Module	
105-0105	10 AMP Granular Bin Driver Module	
602-0014	12′ (3.7 m) Signal Extension Cable	

ee—Use with 105-0104 Driver Module only.

mm—Use with 105-0105 Driver Module only.

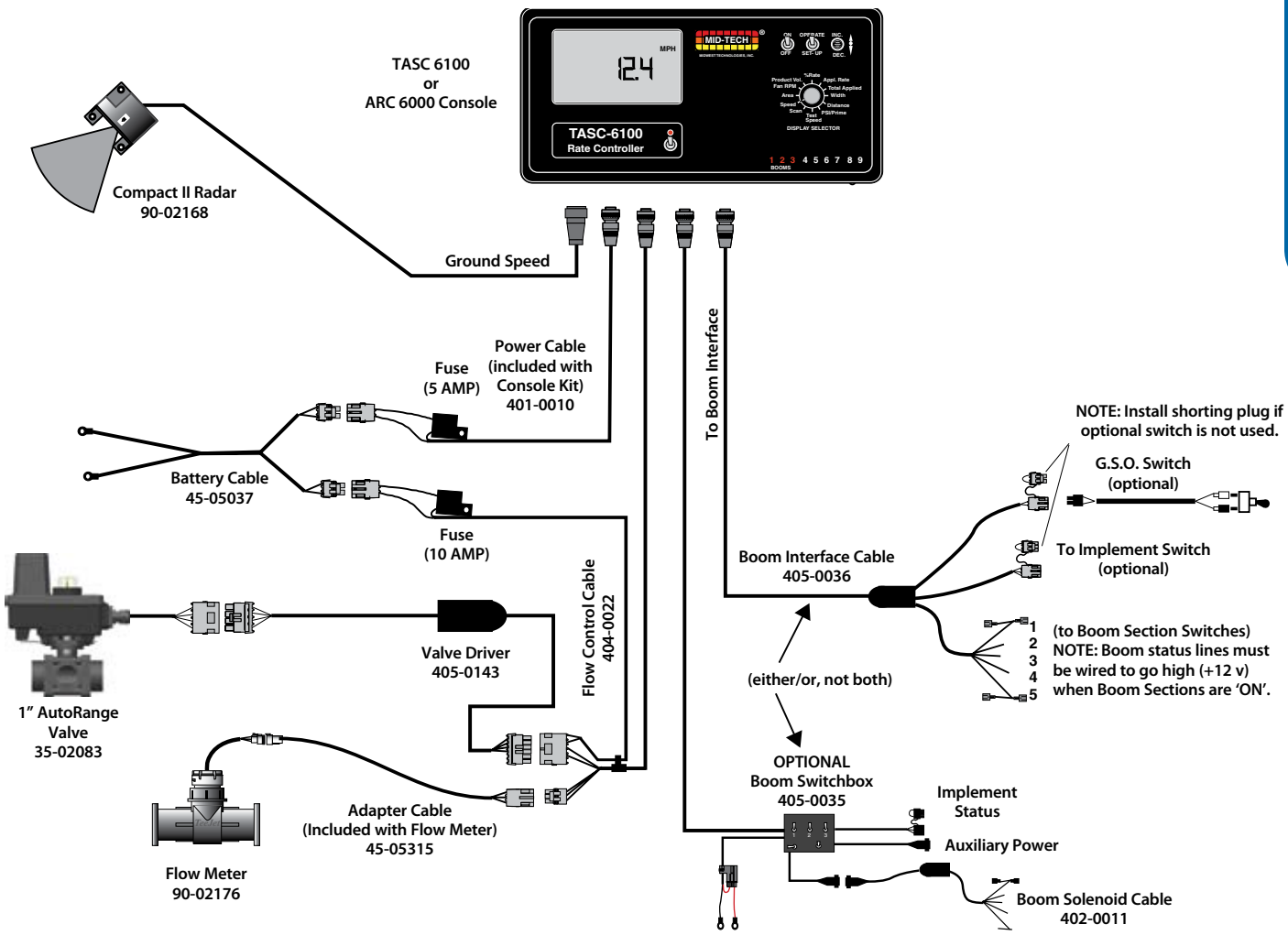
HYDRAULIC MOTORS

PART NUMBER	DESCRIPTION	NOTE
28-05004	Hydraulic Motor w/Sensor 300 RPM @ 10 GPM (38 l/min), 7.7 in^3 (126 cm^3)/rev. (Painted Black w/Mounting Hardware)	①
600-0060-P	Hydraulic Motor w/Sensor 500 RPM @ 10 GPM (38 l/min), 4.6 in^3 (75.4 cm^3)/rev.	①
600-0061-P	Hydraulic Motor w/Sensor 144 RPM @ 10 GPM (38 l/min), 15.9 in^3 (261 cm^3)/rev.	①

OPTIONS

28-10001	Seal Kit for 28-05004 Hydraulic Motor	
600-0090	Sensor for above Hydraulic Motors	

①—Manifold mount for EXR IV Hydraulic Control Valves.

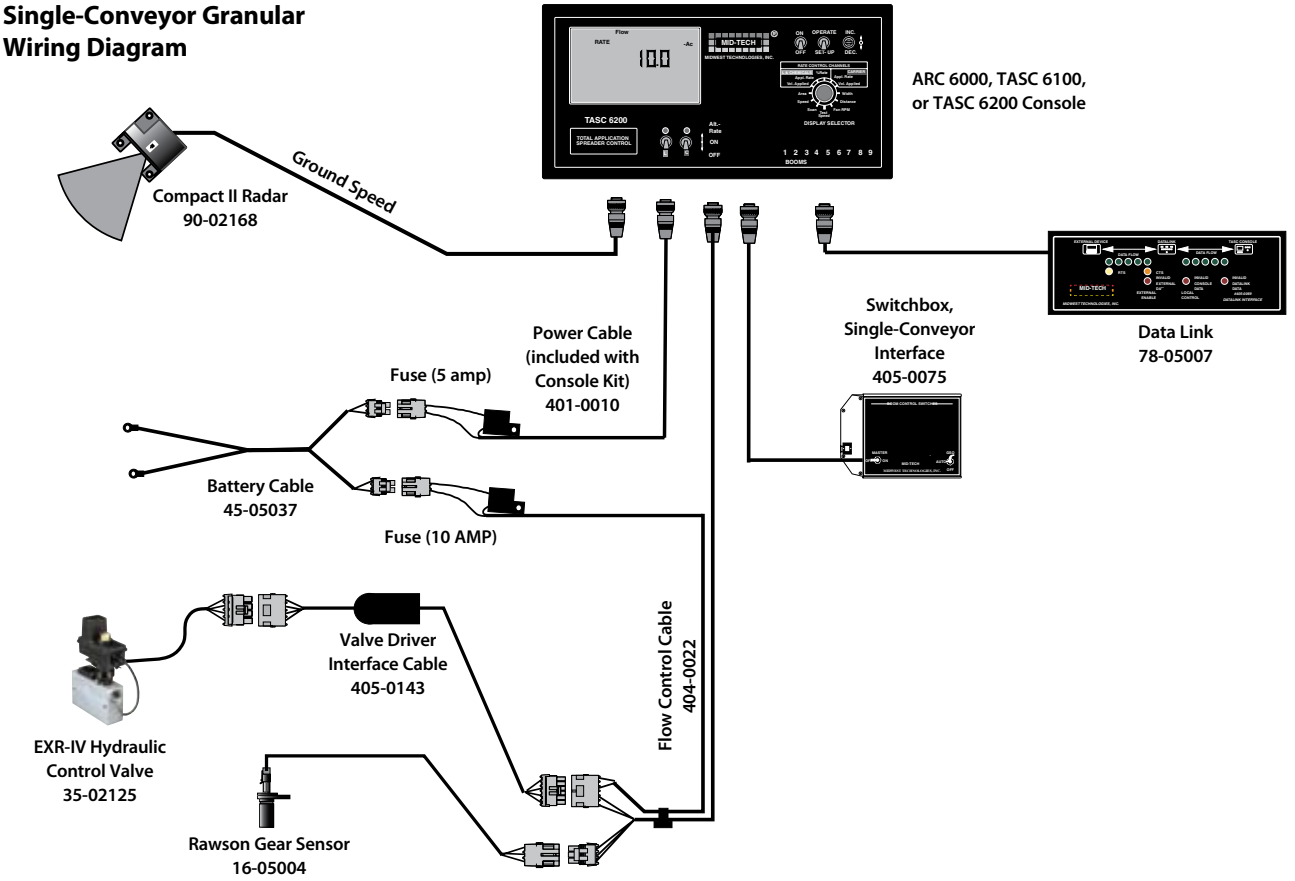


ARC/TASC System Checklist

(Typical System, Single Channel Liquid)

	PART NUMBER	DESCRIPTION
Console (See Page 132)	**90-02154**	ARC 6000 Console Kit
Ground Speed Sensor (See Pages 164 and 165)	**90-02168**	Compact Radar
Flow Meter (See Pages 162 and 163)	**90-02176**	801 Flow Meter Kit with 1" Hose Barbs
Regulating Valve (See Page 167)	**35-02083**	1" AutoRange Valve
	405-0143	Valve Driver Interface
Flow Control and Power Cables (See Page 165)	**404-0022**	Flow Control Cable
	45-05037	Power Cable, 2 Lead
Switchbox and Harness (See Page 133)	**405-0035**	5-Boom Solenoid Valve Switchbox
	402-0011	5-Boom Solenoid Harness

TASC 6200 Single-Conveyor Granular Wiring Diagram


ARC 6000, TASC 6100, or TASC 6200 Console
Compact II Radar 90-02168
Ground Speed
Power Cable (included with Console Kit) 401-0010
Fuse (5 amp)
Switchbox, Single-Conveyor Interface 405-0075
Data Link 78-05007
Battery Cable 45-05037
Fuse (10 AMP)
Valve Driver Interface Cable 405-0143
Flow Control Cable 404-0022
EXR-IV Hydraulic Control Valve 35-02125
Rawson Gear Sensor 16-05004

ARC/TASC Granular System Checklist

(Typical System, Single Channel Granular)

	PART NUMBER	DESCRIPTION
Console Kit (See Page 132)	**90-02159**	TASC 6200 Console Kit
Ground Speed Sensor and/or Cable (See Pages 164–165)	**90-02168**	Compact II Radar
Rate Sensors (See Page 134)	**16-05004**	Gear Sensor
Hydraulic Control Valve (See Page 166)	**35-02125**	EXR Hydraulic Valve 20 GPM (76 l/min)
	405-0143	Valve Driver
Flow Control and Power Cables (See Page 165)	**404-0022**	Flow Control Cable
	45-05037	Power Cable
Granular Switchbox and Cables (See Page 134)	**405-0075**	Single-Conveyor Switchbox (Interface)
Optional:		
Data Link Module (Required for Variable Rate Application, TASC Series Consoles Only —See Page 132)	**78-05007**	Data Link Module

AirMatic controller is the key to maintaining consistent droplet size

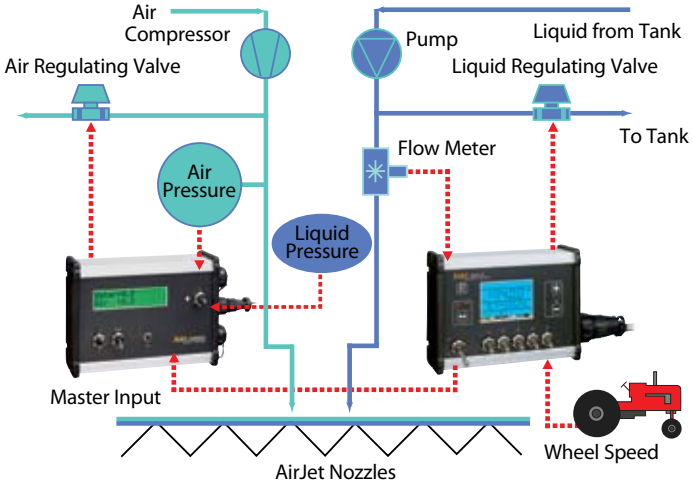
The AirMatic controller regulates air flow to the AirJet nozzles. It senses changes in the liquid pressure and adjusts air flow accordingly. This enables the system to maintain a consistent droplet size when ground speed and/or application rate changes.

With the AirMatic controller, regulating droplet size is virtually foolproof. The system gives information needed to manage changing conditions.

- **Five droplet size settings**. Choose among very fine, fine, medium, coarse or very coarse droplets. As conditions vary, droplet size can be instantly switched without leaving the sprayer cab or changing spray tips.
- **Alarm mode**. When the system detects a variation in liquid pressure beyond the set pressure-to-air relationship, a flashing message on the display alerts the operator to "Drive Slower" or "Drive Faster." Likewise, an "Increase RPM" message will flash if the air compressor is working too slowly.
- **Wind measurement**. An optional anemometer measures wind strength and advises the operator when it's too windy to spray.
- **RPM measurement**. An optional RPM input measures air compressor speed for on-the-go monitoring of compressor performance.
- **Full compatibility**. The AirMatic controller can be used in combination with any TeeJet flow-based electronic controller.

*Not available in all countries.

System Diagram



System Checklist

PART NUMBER	DESCRIPTION
65-50004	Console Mounting Bracket (2 Required)
75-50006	844-E-5 Console
75-30008	AirMatic Console
45-05409	AirMatic Main Cable
51-20010	Wind Speed Sensor
45-20240	Main Cable Extension, 13" (4 m)
45-20055	Main Cable, 16" (5 m)
45-20006	Battery Side Power Cable
45-20061	Spray Side Power Cable, 33" (10 m)
78-10002	Junction Box
90-02177	801 Flow Meter with 1" Hose Barbs
16-40015	Proximity Wheel Speed Sensor, 13" (4 m)
45-20047	Pressure Sensor Cable, 20" (6 m) (2 required)
16-40005	Pressure Sensor, 150 PSI/10 bar
16-00011	Pressure Sensor, 36 PSI/2.5 bar
57-10050	Flow Meter to Junction Box Cable, 13" (4 m)
344BRL-2FS-03C60IC	Liquid Regulating Valve
455BEC-2F-C60IU	Liquid Boom Section Manifold
495BEC-C60IU	Air Boom Section Manifold
346BRB-2F-03C60IC	Air Regulating Valve
491BEC-C60IU	Air Relief Valve
49880A-#-NYB	AirJet Nozzles (1 for Each Nozzle Position on Sprayer)

Note: Air Compressor not available through TeeJet.

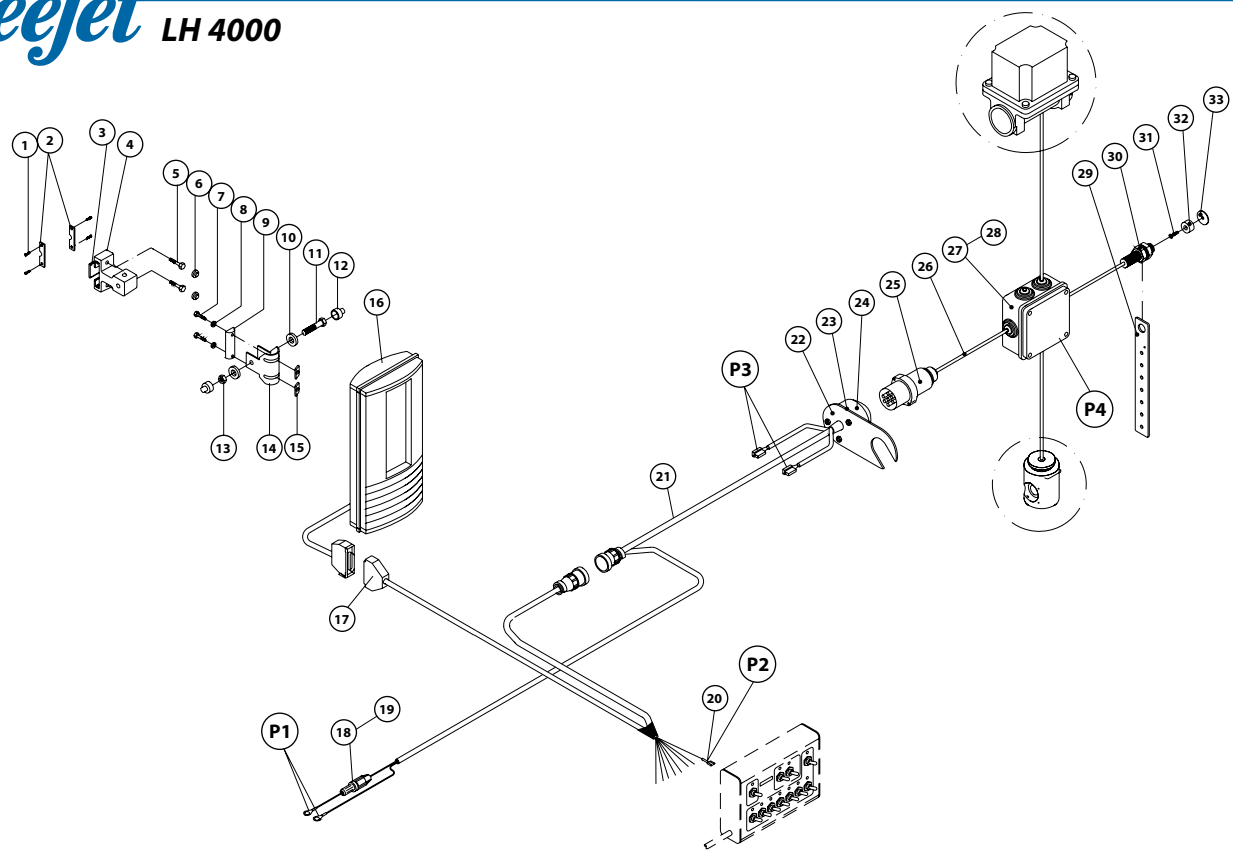
Interchangeable cores are inserted in the AirJet nozzle to control liquid flow rates.

LH 4000 Spray Rate Controller

With its large display, the LH 4000 constantly shows forward speed, current application rate, and the status of each individual boom section. Other important information, such as area sprayed, volume sprayed, and flow rate can be selected. The flow rate can also be increased or decreased on the go using the step rate function. These features make the LH 4000 spray rate controller one of the easiest to operate and most accurate spray rate controllers available.

LH 4000 Features:

- Large, easy-to-read, backlit display allows the work to be carried out regardless of lighting conditions.
- Logical, easy-to-understand symbols and clear text make using the LH 4000 easy.
- A large number of functions for accurate spray rate control are readily available without having to leave the main operating menu, thus allowing the spraying job to be carried out without having to stop.
- Adding flow meter for the fill flow function provides the ability to accurately measure the amount filled into the tank. The function controls a fill valve to ensure that the correct amount is always filled into the sprayer tank.
- The task function allows for up to 35 individual counter sets to be stored containing useful information such as, amount sprayed and area covered, ensuring that data for the season or for the year can be retrieved for reports.



POS.	PART NUMBER	DESCRIPTION	POS.	PART NUMBER	DESCRIPTION
1	821-211	Screw 2.9 × 9.5	18	168-102	Fuse Holder
2	865-170	Cover	19	166-632	Fuse 5 x 20 4A
3	865-171	Cover	20	175-144	Terminal
4	880-140	Bracket	21	198-108	Cable #2 LH 4000 Trailer
5	827-630	Screw M6 × 30	22	842-521	Bracket
6	861-108	Nut Cap	23	861-600	Sealing
7	816-520	Screw M5 × 20	24	178-600	Plug, Female
8	830-005	Washer M5	25	178-601	Plug, Male
9	865-165	Bracket	26	197-007	Cable 7 × 0.75 (5m)
10	830-931	Washer M8	27	866-012	Plastic Box
11	811-845	Screw M8 × 45	28	900-158	PCB
12	861-110	Nut Cap	29	842-516	Bracket
13	858-800	Nut M8 with Snap	30	900-982	Sensor
14	843-175	Bracket	31	815-416	Screw M4 × 16
15	844-205	Acme Nut	32	775-803	Magnet
16	901-183	LH 4000 Monitor	33	830-420	Washer 4 × 20
17	198-109	Cable #1 LH 4000 Trailer			

LH 4000 System Checklist

	PART NUMBER	DESCRIPTION
Rate Controller	**903-183** (See table at right for language part numbers)	LH 4000 Rate Controller
Trailer Fitting Kit	**905-159**	LH 4000 Trailer Fitting Kit
Flow Meter (See Pages 162–163)	**902-986**	LH 20 mm Flow Meter (5–66 GPM/20 to 250 l/min)
Flow Meter Hose Barb Connector Kit	**932-986**	1" Hose Barb Connector Kit for 20 mm Flow Meter

PART NUMBER	LANGUAGE
903-183	DK/S/UK
903-187	D/CZ/H
912-183	UK/E/P
914-183	D/CZ/PL
915-183	UK/D/F
923-183	F/D/I
933-183	F/NL/FL

85 Sprayer Control

The 85 Sprayer Control represents a new generation of design from TeeJet®. Designed from the original concept to be flexible and easily customized, the 85 can be configured to match the application.

Key 85 Features:

- Both CAN and direct-wiring solutions available
- Based on proven controller technology
- Easy-to-read graphical display
- Ergonomic housing can hinge to fit any location.
- Switch panel designed for easy customization.

Advanced Control Technology:

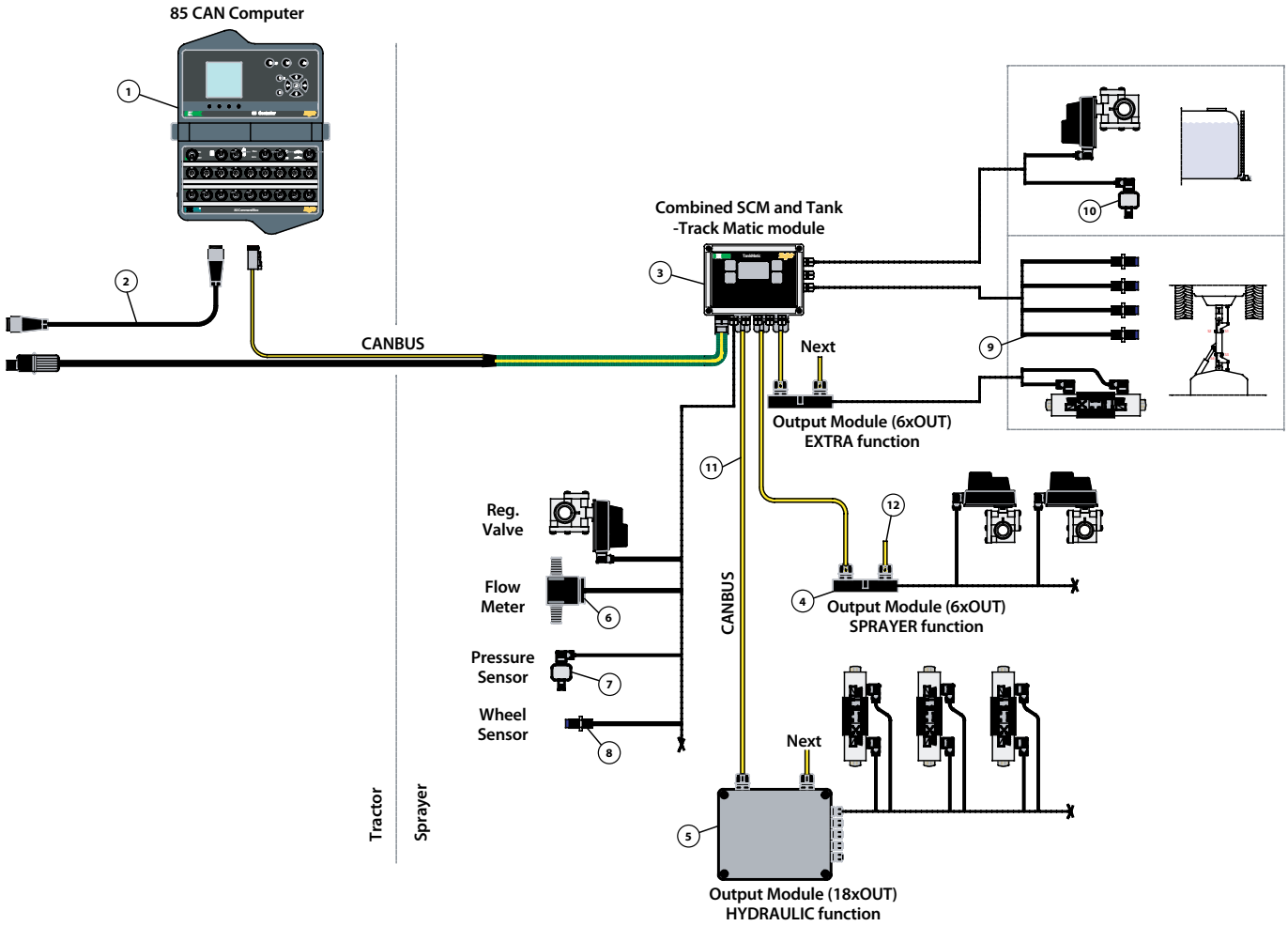
- Fast PWM regulation anticipates new set points for faster regulation.
- Choice between flow-based, pressure-based or automatic selection mode based on flow rate
- Auto master switches off booms at a programmable minimum speed.
- Cross-checking between flow and pressure readings to monitor system integrity

Advanced Job Function:

- Storing data for 16 individual tasks plus single and total application counters
- Information availability for the current task, season, and for the year. Counter values can be transferred to a computer.

PowerLink +:

- CAN based distributed implement control
- Easy and flexible system installation



POS.	PART NUMBER	SPARE PARTS
1	903-852	85 Series CAN Terminal
2	197-238	Adapter Cable
3a	910-155	Combined System Control and Tank-TracMatic Module
3b	910-170	Standard System Control Module
4a	901-442	Output Module 6xOUT (Transistor Type)
4b	901-440	Output Module 6xOUT (Relay Type)
5a	901-451	Output Module 18xOUT (HYDRAULIC)
5b	901-450	Output Module 12xOUT (SECTION)
6	*	Flow Meter
7	PSENS08	Pressure Sensor, 145 PSI (10 bar)
8	570-112	Proximity Sensor
9	570-112	TracMatic Sensor
10	PSENS11	Pressure Sensor TankMatic
11	192-153	CAN Cable
12a	198-431	CAN Term. Terminal
12b	198-432	CAN Terminal Module

* Select Flow Meter and Connection from pages 162–163.

500 Slurry Controller

A brand new speed-compensated sludge and slurry application control system for slurry spread and injecting machines.

LH Agro introduced the first slurry control kit in 1993. The 500 console is part of the second generation of these systems.

Features:

- Non-contact electromagnetic flow meter to help control your liquid manure application.
- Data is collected from the flow sensor, a speed sensor and shaft speed sensors fitted at the pump and distributor.
- Electric signals from the computer to the tanker's oil-hydraulic valve block control the setting of the vehicle's bypass output valve on the discharge pipe.
- Even application! Tank level has no unfortunate influence on your precision.
- Easy to learn and use. Warnings are given if any performance irregularities occur.
- The pilot is only requested to enter the desired Tonne/Hectare rate via the computer's keypad.
- An increase/decrease percentage key allows the operator to change the rate temporarily.
- GPS-precision farming is compatible with the LH 500 console.
- Task function allowing for 10 different counter sets to be stored for review and for printing.

Contact your regional representative for more information.

How to Order

MID-TECH PART NUMBER	LH PART NUMBER	DESCRIPTION
90-02270	994-508-XX	LH 500 Slurry Control Kit Includes, 4" (100 mm) Flow Meter
90-02271	995-508-XX	LH 500 Slurry Control Kit Includes, 5" (125 mm) Flow Meter
90-02272	996-508-XX	LH 500 Slurry Control Kit Includes, 6" (150 mm) Flow Meter

Inductive Flow Meter

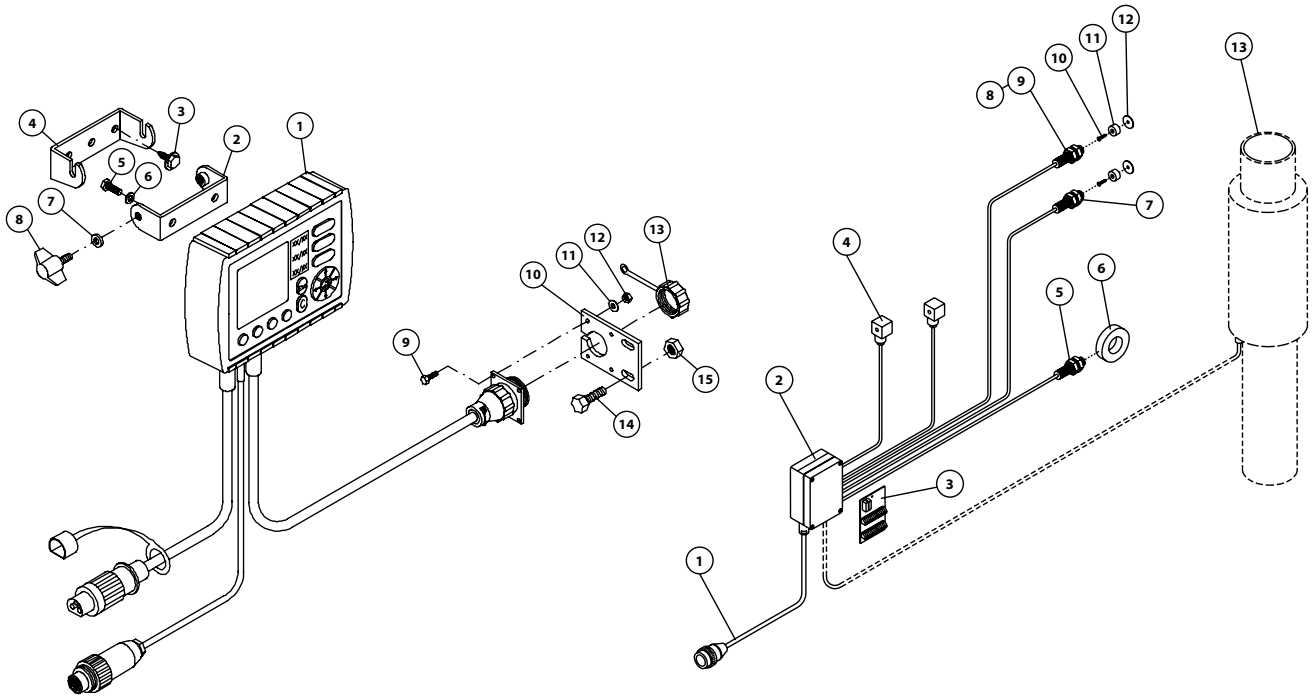
The LH magnetic inductive flow meter is very robust and reliable. A superb range of cost-effective magnetic inductive flow meters, developed for precise measurement of high-volume liquid flow in various mobile applications. The LH meter works with any electrically-conductive fluid such as slurry, water, suspensions, etc.

Features:

- Robust design.
- Non-corrosive material.
- Maintenance free.
- Competitive prices.
- Super performance.
- Can be mounted both vertically and horizontally.
- Available in 4", 5" and 6" (100 mm, 125 mm and 150 mm) versions.

Contact your regional representative for more information.

FLOW METER (MID-TECH PART NUMBER)	FLOW METER (EXCLUDES MOUNTING FLANGES) (LH PART NUMBER)	DESCRIPTION
57-00112	904-855	LH Flow Meter 4" (100 mm)
57-00113	902-954	LH Flow Meter 5" (125 mm)
57-00114	902-956	LH Flow Meter 6" (150 mm)



500 Slurry Computer

POS.	PART NUMBER (LH ONLY)	SPARE PARTS
1	903-508-XX	LH 500 Slurry Computer
2	844-044	Bracket
3	826-621	Screw 6 mm 3 x 19
4	844-045	Bracket
5	811-510	Screw M 5 x 10
6	831-510	Spring Washer, 6 mm
7	830-006	Washer, 5 mm
8	862-817	Thumb Screw
9	814-312	Screw M 3 x 12
10	842-526	Bracket
11	830-308	Washer, 3 mm
12	856-300	Nut M3
13	178-344	Cap
14	827-616	Screw M 6 x 16
15	856-600	Nut M6
16	020-508-XX	Operator's Manual
17	015-508-XX	Operator's Manual, Mini
18	010-500	LH 500 Standard Fitting Instructions

Slurry Mounting Kit for 500

POS.	PART NUMBER (LH ONLY)	SPARE PARTS
1	198-262	Machine Cable
2	910-299	Junction Box, Complete
3	900-164	Circuit Board
4	197-048	Cable for Magnetic Valve
5	900-983	3-Core Sensor (Pump)
6	906-200	Magnet Ring
7	901-982	2-Core Sensor
8	856-113	Nut for Sensor
9	901-983	3-Core Sensor (Distributor), 33" (10 m)
10	815-416	Screw M4x16
11	775-803	Magnet
12	830-420	Washer, 4 mm
*13	904-855	Flow Meter 4" (100 mm)
	902-954	Flow Meter 5" (125 mm)
	902-956	Flow Meter 6" (150 mm)
14	010-508	LH 500 Slurry Fitting Instructions

The System In Brief

Using optimized sensors developed with 25 years of grain loss experience, almost any combine harvester can be fitted with a grain loss system.

The sieve sensor measures the amount of grain lost from the sieves, thus indicating that adjustments need to be made to the fan speed or the overall throughput of the machine. For example, the straw walker sensors measure the loss from the straw walkers (the bottleneck of combine throughput) and indicate that the straw walkers cannot keep up—so they SLOW DOWN.

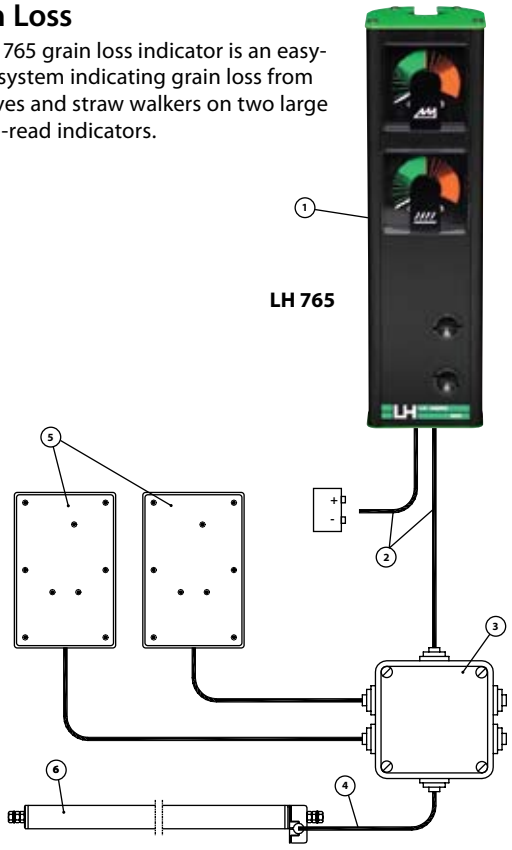
Combining the inputs (loss/no loss) from the sensors fitted at the sieves and the straw walkers can be utilized to increase combine harvester performance. The sensitivity for each sensor can easily be set to allow for different grain sizes.

How to Order

LH PART NUMBER	DESCRIPTION
990-765-XX	LH 765 Grain Loss Monitor Kit including all Sensors and Fittings
990-865-XX	LH 865 Combine Capacity Indicator Kit including all Sensors and Fittings

Grain Loss

The LH 765 grain loss indicator is an easy-to-use system indicating grain loss from the sieves and straw walkers on two large easy-to-read indicators.



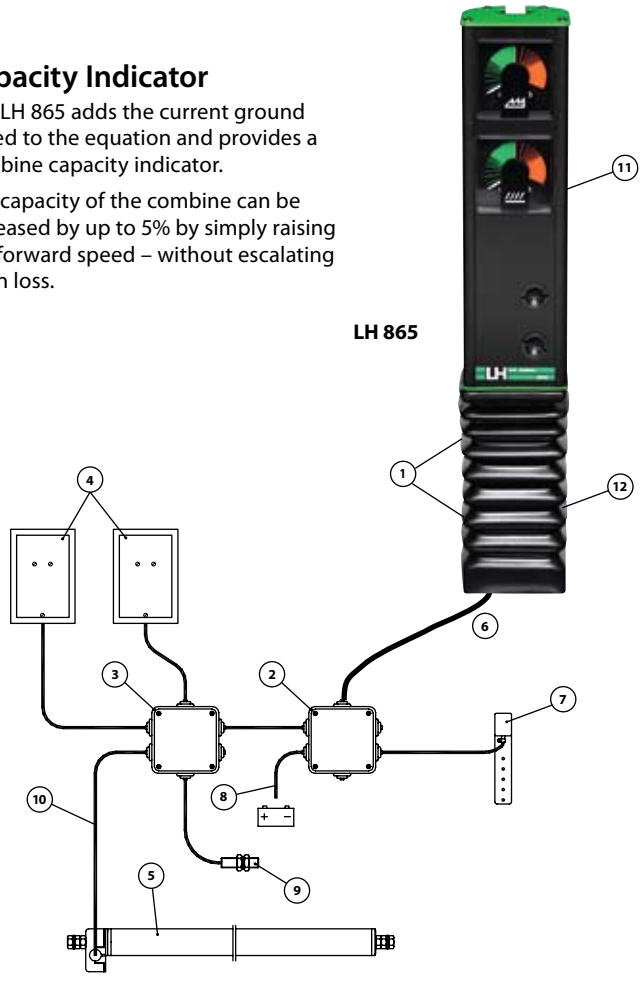
POS.	LH PART NUMBER	SPARE PARTS
1	**901-765**	LH 765 Grain Loss Monitor with Bracket
2	**903-765**	Wiring for LH 765
3	**906-012**	Junction Box for LH 765 System
4	**198-312**	Cable for Sieve Sensor
5	**908-012**	Straw Walker Sensor: 2 pieces
6	**927-021**	Sieve Sensor

POS.	LH PART NUMBER	SPARE PARTS
1	**908-865**	LH 865 Grain Loss Monitor with Foot
2	**906-865**	Connection Box 1 for LH 865 System (includes PCB)
3	**866-012**	Connection Box 2 for LH 865 System
	900-013	Print for Connection Box 2
4	**908-012**	Straw Walker Sensor Set (2 Integration Sensors)
5	**927-021**	Sieve Sensor
6	**905-865**	LH 865 Main Cable
7	**900-708**	Sun Sensor
8	**900-753**	Power Supply Cable
9	**900-982**	Wheel Sensor
10	**198-312**	Cable for Sieve Sensor
Can be purchased separately:		
11	**915-865**	LH 865 Box (without Foot)
12	**903-865**	Foot for LH 865 Box

Capacity Indicator

The LH 865 adds the current ground speed to the equation and provides a combine capacity indicator.

The capacity of the combine can be increased by up to 5% by simply raising the forward speed – without escalating grain loss.

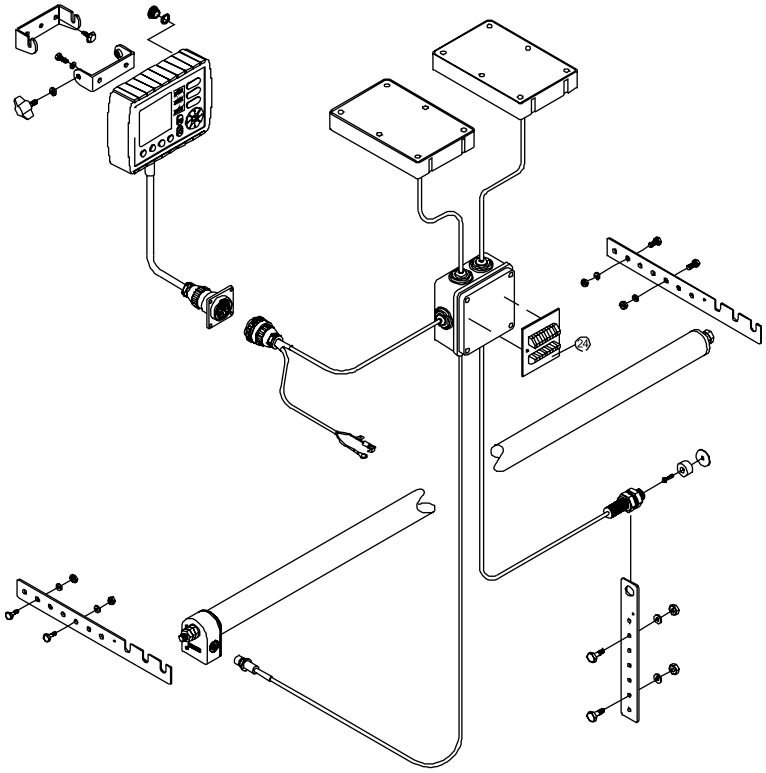


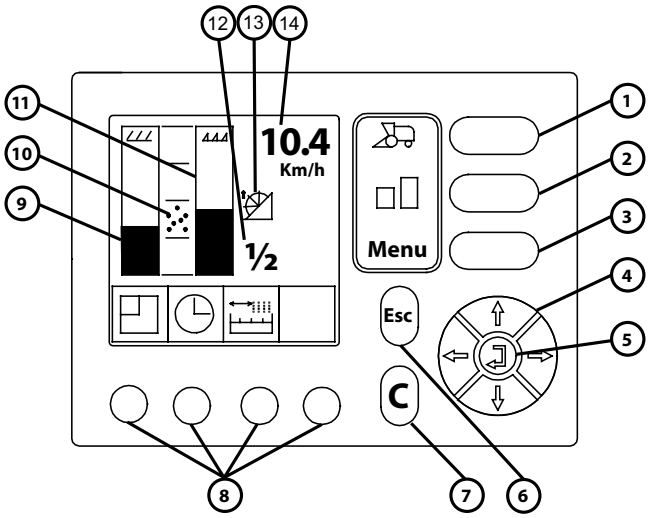
The Total Solution

Now—the culmination of 25 years of grain loss experience—we present the LH 500C.

With its simple user interface, the LH 500C Combine Monitor features:

- Walker grain loss.
- Feeder engaged/disengaged.
- Chopper engaged/disengaged.
- Grain tank full warning.
- Harvested area.
- Average combine capacity.
- Forward speed.
- Time functions.
- Straw blockage warning.
- Thresher drum speed.
- Grain elevator speed.
- Return elevator speed.
- Straw walker speed.
- Feeder speed.
- Reel speed.
- Sieve grain loss.
- Fan speed.
- Straw chopper speed.





POS.	DESCRIPTION
1	Combine Info Key
2	Zoom Key
3	Menu Key
4	Arrow Keys
5	Enter Key
6	Escape Key
7	Clear Key
8	User Selectable Function Keys
9	Sieve Grain Loss Indicator Bar
10	Grain Tank Level Indicator
11	Walker Grain Loss Indicator Bar
12	Reduced Working Width Indicator
13	Header Raiser Indicator
14	Forward Speed

How to Order

PART NUMBER	DESCRIPTION
990-510-XX	LH 500 Combine monitor for grain loss and speed

LH 500 IntelliTram® Controller

The Intelligent Tramline Controller

The intelligent tramline controller makes advanced tramlining easy. It features possibly the most comprehensive set of tramline rhythms available.

The fully graphic LCD-display can be "customized", within limits, to show the information the operator wants to see.

Operation and programming are easy using the logical keypad.

Features:

- Advanced tramline control*.
- Screen shows the previous, actual and next round.
- Forward speed.
- Area worked.
- Work time.
- Hopper content *(kg).
- Hopper low level alarm*.
- Seed rate* (kg/ha).
- Distance traveled.
- Fan RPM* (pneumatic drills).
- Job memory facility.

*Depends on the available sensors.

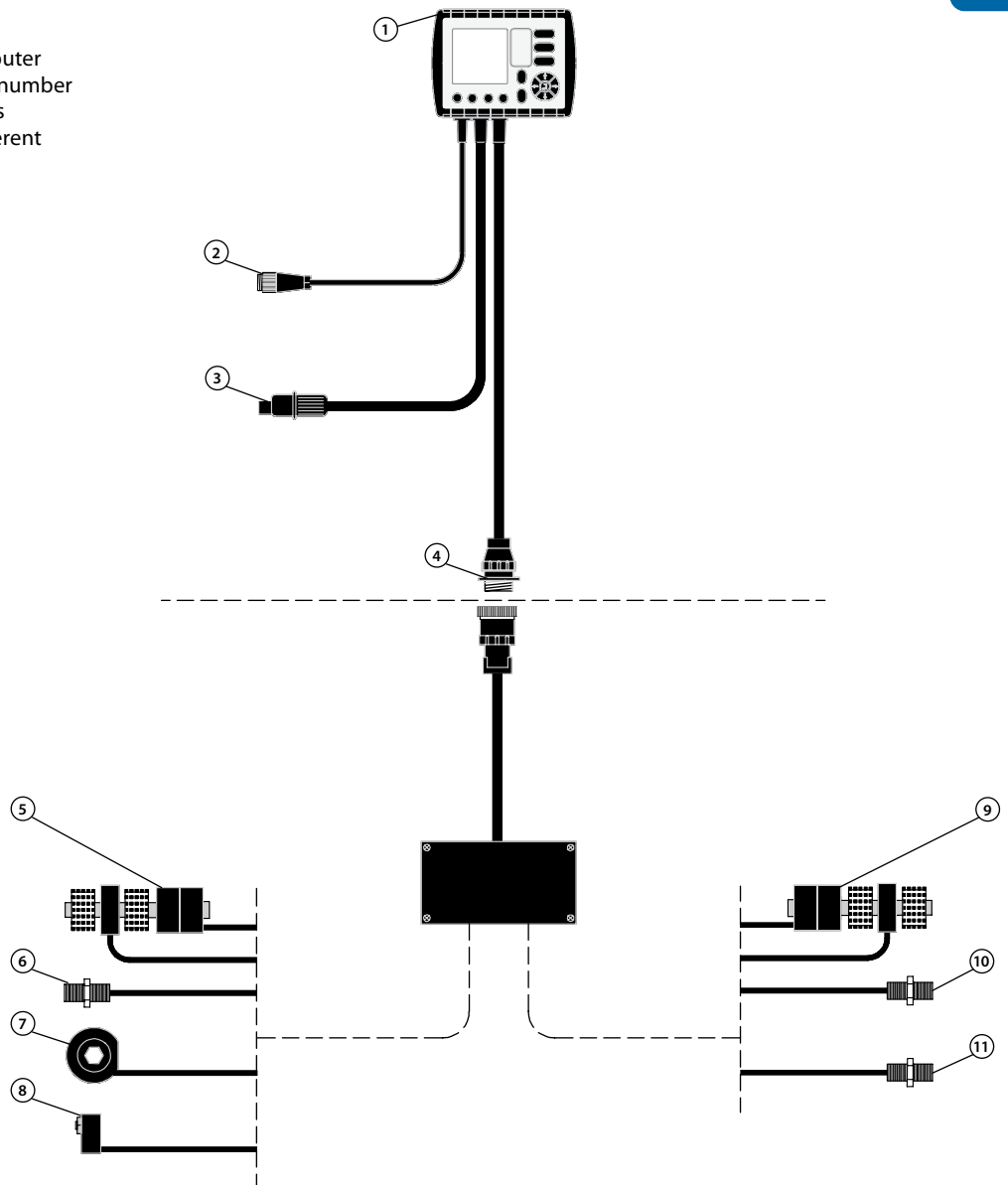
Visible and audible warnings are given in the event of machine performance malfunctions.

How to Order

PART NUMBER	DESCRIPTION
903-505-XX	LH IntelliTram Excluding Seed Drill Fitting Kit and Shutoff Mechanisms
910-282	LH IntelliTram Seed Drill Fitting Kit Excluding Shutoff Mechanism
OPTIONAL SHUTOFF	
903-152	Set of 2 Clutches for 17 mm Hexagonal Drill Shaft
OPTIONAL EXTRAS	
905-152	Drill Shaft Sensor (for metering seed rate) 17 mm Hexagonal Drill Shaft
904-151	Hopper Level Sensor

TeeJet® LH IntelliTram® 500

The LH IntelliTram 500 tramline computer has been developed to be used on a number of different seed drills. Due to this it is possible to connect a number of different sensors and actuator types.



	PART NUMBER	DESCRIPTION
Monitor	**903-505-XX**	LH IntelliTram Tramline Controller
Speed Drill Fitting Kit	**910-282**	IntelliTram Seed Drill Fitting Kit
Clutch Set	**903-152**	Set of 2 Clutches for 17 mm Hex. Drill Shaft
Speed Sensor	**905-152**	Seed Rate Sensor for 17 mm Hex. Drill Shaft

POS.	DESCRIPTION
1	Monitor
2	DIN/ISO Plug (DIN 9684-1, ISO 11786)
3	Power Plug (DIN 9680, ISO/TR 12369)
4	Implement Socket
5	Clutch, Left-hand Side
6	Implement Sensor, Left-hand Side
7	Drill Shaft Speed Sensor
8	Empty Hopper Sensor
9	Clutch, Right-hand Side
10	Implement Sensor, Right-hand Side
11	Wheel Sensor

The standard kit contains:

1 – Monitor

1 – Junction box

1 – Wheel sensor kit

2 – Implement sensor kits

Other sensors, clutches, etc. must be ordered separately.

70 Series Monitor

The 70 range of monitors and controllers will enable a full range of monitoring and control functions.

The compact enclosure is equipped with four buttons and a clear dot-matrix LCD display. It can be mounted in any position, and is designed to be rugged and dependable.

All 70 Series Kits Feature:

- Compact, rugged enclosure with clear LCD.
- Audible alarm.
- Simple menu-based operation and programming.
- Weatherproof electrical connectors for reliability.

Additional features of Monitor Kits with On/Off Outputs:

- Monitor one or two sensors.
- Flexible design for additional functionality: Pressure Monitor, Unit Counter, Electronic Level Gauge.

Additional features of Application Control Kits:

- PWM (Pulse Width Modulation) for regulation.
- Flexible design for additional functionality: Granular Applicator Control, De-Ice Sprayer Control, Constant Pressure Controller.

Monitor Kits

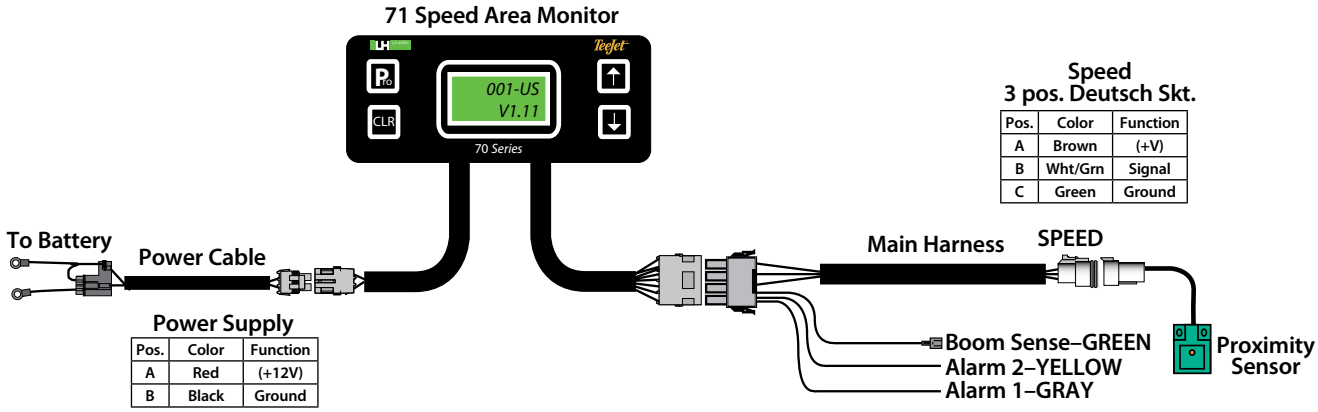
MID-TECH® KIT PART NO.	MID-TECH METRIC KIT PART NO.	LH KIT PART NO.	DESCRIPTION
90-02255	90-02320	990-070-XX	Speed, Area and Distance Monitor
90-02303	90-02326	990-080-XX	Flow Monitor – Total Volume and Flow Rate
90-02328	—	990-072-XX	Single RPM Monitor
90-02334	—	—	Dual RPM Monitor; Ideal for Twin-Spinner Granulator Applicators
—	—	990-071-XX	GPS-Based Speed, Area, and Distance
—	—	990-073-XX	Working Time and RPM Monitor
—	—	990-094-XX	TankMatic Tank Level Monitor

Monitor Kits with On/Off Control Outputs

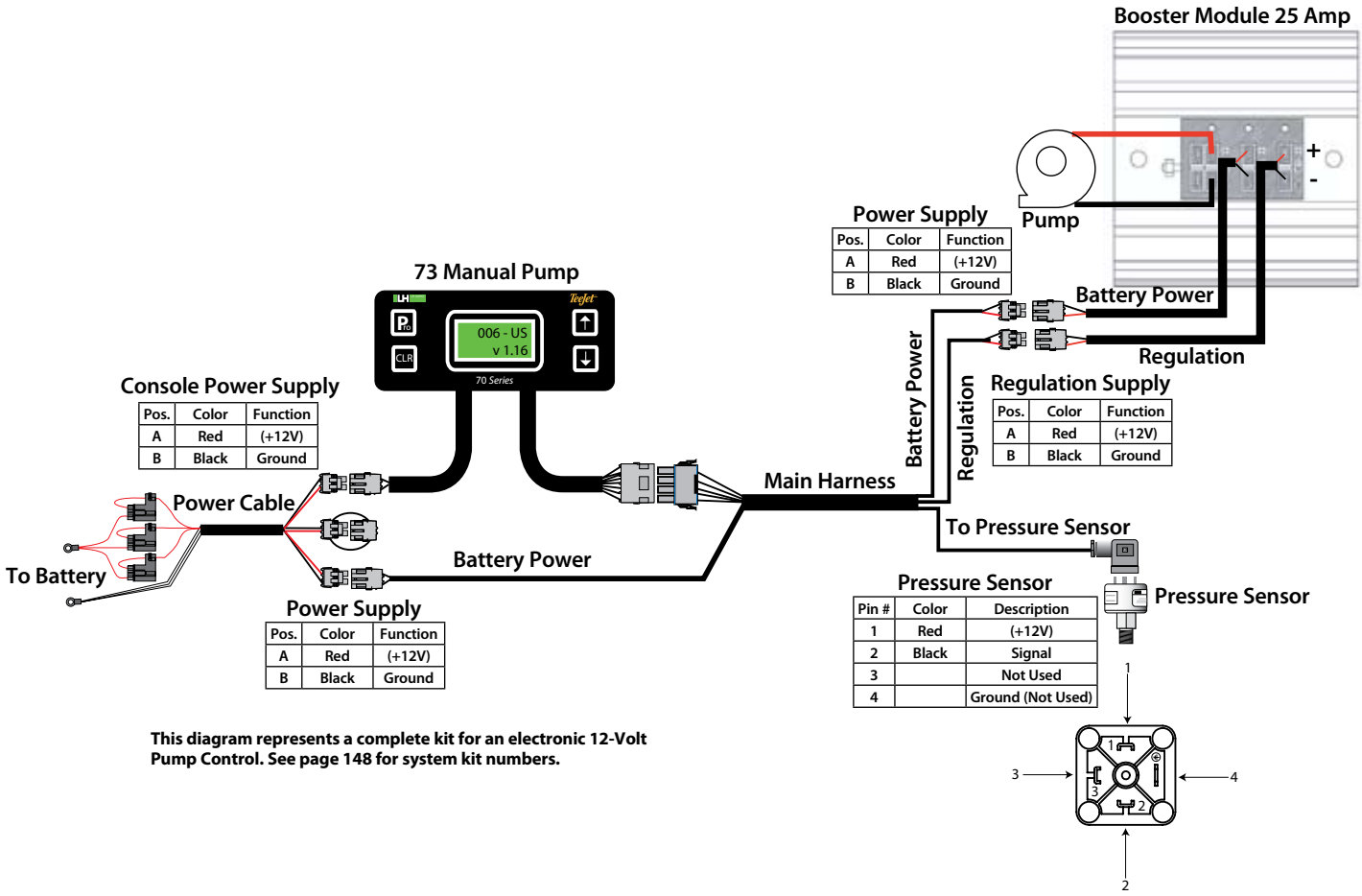
90-02302	90-02325	XX	Fill Flow Monitor Kit; 10D Flow Meter; 0.4 to 22 GPM (1.5 to 83.3 l/min); Automatic Valve Shutoff at Preset Volume
90-02259	90-02321	990-074-XX	Fill Flow Monitor Kit; 16D Flow Meter; 1.3 to 42 GPM (4.9 to 159 l/min); Automatic Valve Shutoff at Preset Volume
90-02260	90-02322	990-075-XX	Fill Flow Monitor Kit; 20D Flow Meter; 5.3 to 66 GPM (20 to 250 l/min); Automatic Valve Shutoff at Preset Volume
90-02301	90-02324	XX	Fill Flow Monitor Kit; 40D Flow Meter; 10.5 to 264 GPM (40 to 1000 l/min); Automatic Valve Shutoff at Preset Volume
90-02288	90-02323	XX	Fill Flow Monitor Kit; 80D Flow Meter; 2.5 to 60 GPM (9.5 to 227 l/min); Automatic Valve Shutoff at Preset Volume

Application Control Kits

90-02263	90-02327	990-078-XX	Electronic 12V Pump Control; Manual Pressure Control; Ideal for Application of Hay Preservative, Starter Fertilizer, etc.
—	—	990-076-XX	Pressure Control RPM Monitor Kit
—	—	990-077-XX	Pressure-based Sprayer Regulation Including Regulating Valve
—	—	990-079-XX	EPC Rate Controller
—	—	990-088-XX	Add Flow Application Kit (0.015 to 1.5 l/min)
—	—	990-089-XX	Add Flow Application Kit (0.030 to 3.0 l/min)
—	—	990-090-XX	Add Flow Application Kit (0.045 to 4.5 l/min)
—	—	990-091-XX	Add Flow Application Kit (0.060 to 6.0 l/min)



This diagram represents a complete kit for a speed, area, and distance monitor. See page 148 for system kit numbers.



This diagram represents a complete kit for an electronic 12-Volt Pump Control. See page 148 for system kit numbers.

744A Manual Sprayer Control

144P-3
Solenoid
Shutoff Valve

144A-3
Solenoid
Shutoff Valve

344BPR
Pressure
Regulating
Valve

244C
Pressure
Regulating
Butterfly Valve

744A Sprayer Control

- Manual spray controller in a compact package.
- Choice of dry or liquid-filled 100 PSI (7 bar) or 300 PSI (20 bar).
- Lighted pressure gauge for night use.
- Heavy-duty switches with LED indicators.
- Available in a variety of kit forms using solenoid or ball type control valves.
- DirectoValve® shutoff ball valves are ordered separately. See pages 65–85 for information on valves.

How to interpret Kit No.:

744A — **100** — **L** — **3**

744A	100	L	3
Controller Model **744**	Gauge Scale **100** PSI (7 bar) or 300 PSI (20 bar)	Gauge Type **L** (Liquid)	Boom Sections

MID-TECH® PART NUMBER (OLD SSCO NUMBER)	744A 3-SWITCH CONSOLE		HARNESS		BOOM VALVES			REGULATING VALVE	
	100 PSI GAUGE	300 PSI GAUGE	SOLENOID	BALL VALVE	NONE	144A-3	144P-3	244 BUTTERFLY	344-2RL BALL
KIT PART #	75-50033 (37203-100L-3)	75-50035 (37203-300L-3)	45-20090 (21725-8) 45-20091 (21720-8) 45-20100 (21478-2)	45-05385 45-10072 45-10080		35-50023 (AA144A-3)	35-50027 (AA144P-3)	35-50029 (21773-244C-3/4)	35-02087 (344BRL-24-01CCS)
90-50149 (744A-100L-3)	•		•		•				
90-50151 (744A-300L-3)		•		•	•				
90-50161 (AAK744A-100L-30S)	•		•		•			•	
90-50163 (AAK744A-100L-33S)	•		•			•		•	
90-50177 (AAK744A-100L-33P)	•		•				•	•	
90-50238 (AAK744A-100L-30B)	•			•	•				•
90-50237 (AAK744A-300L-30B)		•		•	•				•

Note: Other TeeJet B series regulating valves are Plug-N-Play compatible with all these kits if ordered with the "-01CCS" connector option

Easy Integration, Total Compatibility and Non-Obsolescence are Core Components in Our Technology Strategy

TeeJet Continues to Lead the Way In Precision Farming Through Early Adoption and Implementation of International Standards

Growers and commercial applicators are quick to adopt new technology when the benefits justify the investment and increased profitability results. Advanced control and monitoring systems are now widely used with many implements to improve accuracy, efficiency and productivity. Most of these systems require a control or display to be mounted in the tractor cab. This can lead to a cluttered collection of cables, brackets and control consoles in the cab.

A new generation of implement control systems takes advantage of modern networking capabilities to improve functionality and value and reduce cab clutter. Our modular approach to precision farming allows our systems to easily control multiple implements from a single console. We are committed to this design philosophy and are taking it one step further through ISOBUS standardization.

A Bit About ISOBUS

In 2001, farm machinery manufacturers agreed to implement standards to enable tractors, implements and farm management systems to use common communication interfaces. This will enable products from different manufacturers to easily communicate with one another and eliminate implement-specific control devices, terminals and displays. A single monitor in the cab will control all implements – round baler, sprayer, spreader, etc., – and communicate with the tractor and farm management system to facilitate documentation of all field activities.

Very specific standards have been developed: ISO 11783, often referred to as ISOBUS. The standards are quite complex and industry-wide adoption is expected to take time. Europe is leading the way with many equipment manufacturers offering ISOBUS implement control and monitoring solutions. North America is moving forward as well, although at a slightly slower pace.

As a global leader in application technology and implement control, we are among the first to design our products to ISO 11783 standards to ensure easy integration and compatibility with other manufacturers' equipment now and in the future.

How You'll Benefit from ISOBUS Standardization

Our product development teams in Europe and North America are focused on ISOBUS standardization. At present, we offer in-cab consoles (also commonly referred to as virtual terminals), GPS speed sensors and implement control computers that are ISOBUS compatible. In the months and years ahead, our entire line of electronic products will be compliant as well.

Here's how you'll benefit from our commitment to ISOBUS:

- **Better value** – a single terminal for all operations means you won't have to purchase a control console for each implement.
- **Easier to use** – just one terminal to learn.
- **Easier to install** – "plug-and-play" becomes a reality through standardized plugs, cables and software.
- **More flexibility** – choose the product best suited to your needs without worrying about compatibility with other implements and equipment.
- **Better documentation** – all data collection is handled from a single point and easily transferred to your main computer.
- **Investment security** – the products you buy today will be usable well into the future.

To take advantage of these benefits, consider these options:

- When you purchase your next tractor or combine, make sure it is ISOBUS compatible or has an optional ISOBUS package.
- Purchase ISOBUS–compatible implements that come with an ISOBUS monitor.
- Buy an ISOBUS monitor and use it with ISOBUS implements.
- It is possible to use ISOBUS-compatible implements on a non-ISOBUS tractor, but you don't gain the full system benefits.

See pages 152–153 for more information on our ISOBUS-compatible products.

Even though you may not be quite ready for ISOBUS, we are. TeeJet sprayer, spreader and implement controls are ready for the ISOBUS era.

Technological leadership: another important reason to depend on TeeJet for all your application solutions.

For more information about ISOBUS and ISO 11783 standards, see:

- http://www.isobus.net/
- VDMA Agricultural Machinery: http://www.vdma.org/
- Association of Equipment Manufacturers: http://www.aem.org/
- North American ISOBUS Implementation Task Force (NAIITF): http://www.aem.org/Technical/NAIITF/

PowerLink 640 ISOBUS Virtual Terminal

PowerLink 640 ISOBUS Virtual Terminal

Use the PowerLink 640 to Upgrade Tractors to ISOBUS Compatibility. The PowerLink 640 and Tractor Electronic Control Unit (ECU) are intended to upgrade tractors that are not ISOBUS compatible. After upgrading, ISOBUS implements can be connected to the tractor and their data can be displayed on the PowerLink 640 Terminal.

The PowerLink 640 is a fully certified ISOBUS Virtual Terminal. This means it is compatible with all ISOBUS certified implement controls. The PowerLink 640 is a rugged, durable and easy-to-use terminal that is a perfect solution for retrofitting non-ISOBUS tractors on your operation.

	TEEJET POWERLINK 640 ISOBUS VIRTUAL TERMINAL
External Dimensions:	**9.8″ x 9.4″ x 2.75″ (250 x 240 x 70 mm)**
Weight:	3.75 lbs / 1.7 Kg
Display:	6.4″ (163 mm) diagonal ■ 640 x 480 pixels VGA ■ 256 Color ■ Backlit
Controls:	10 Softkeys 9 navigation and control keys Power key
Power:	12 VDC Nominal (9V-16V) standard or 24 VDC Nominal (18V-32V)
Communication:	ISOBUS CAN in and out 1 x RS232 (DB9)
Data Media:	MMC/SD memory card, FAT16
Other Specifications:	Certified ISOBUS VT ISOBUS task controller Use with optional tractor ECU to upgrade any tractor to ISOBUS class 1

LH IC24 Job Computer

The LH IC24 job computer is a universal ISOBUS compatible technology platform for present and future machine control demands. This "intelligence" unit is designed to work in conjunction with ISOBUS compatible terminals. Its robust, modular design gives machinery manufacturers advanced ISOBUS implement control in a proven, economical package.

LH IC34 Job Computer

The IC34 ISOBUS job computer is a complete ISOBUS implement control solution. The job computer connects directly to the ISOBUS and contains a complete collection of input and output capabilities. Further expandability is easily added through the proprietary Powerlink+ CAN expansion bus. Cost effective Powerlink+ input and output modules enable almost endless expansion and complete design flexibility. The IC34 is a cutting edge ISOBUS job computer that can easily be customized to meet design requirements.

	THE IC24 JOB COMPUTER	THE IC34 JOB COMPUTER
External Dimensions:	**200 x 112 x 94 mm**	**260 x 180 x 90 mm**
Temperature Range:	-20°C to 60°C	-10°C to 70°C
Power:	12 VDC Nominal (9V–16V) standard Approx. 2 W without inputs or outputs connected	12 VDC Nominal (8V–16V) standard
Communication:	CAN 2.0b and 2 x RS232	CAN 2.0b and minimum 1 RS232
Inputs/Outputs:	8 standard digital/analog inputs max. 1.5 KHz 8 x 3A outputs each with open drain switches to ground, 4 of which are with fast PWM 8 extra inputs or outputs (inputs as above, outputs max. 2A each) All outputs are overload protected. 20A max. total output	4 frequency inputs max. 3 KHz 4 feedback inputs, analog or digital, max. 1.5 KHz (optional) 1 analog pressure input 10Bit, 4 to 20mA Sensor power, max. 1A 2 H-Bridge outputs, min. 2.8A, PWM frequency max. 2 KHz 1 PowerLink+ bus, CAN1H, CAN1L, switched power and GND **Optional:** 3 PowerLink+ buses, CAN1H, CAN1L, switched power and GND All outputs are overload protected. 20A max. total output
Other Specifications:	Complies with ISO 11783 – EMC Approved Infineon C167, 20 MHz processor 1 MB RAM 1 MB Flash 8 of the standard inputs can be used as outputs. Externally programmable via RS232 Customized input specifications possible	Complies with ISO 11783 – EMC Approved Infineon XC167CI Processor, 40 MHz PIC16F876A Processor for bridge regulation (optional) 3 CAN controllers (2 internal and 1 external) Program Flash min. 1 MB Data Flash min. 1 MB RAM min. 1 MB Customized input specifications possible Externally programmable via RS232

APPLICATION CONTROL

The Industry's Most Advanced Application Control

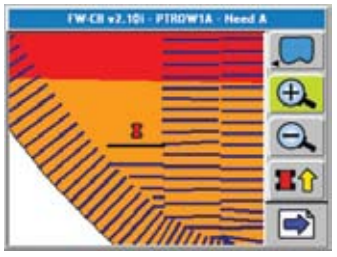
Manage your fertilizer, pesticide and seed applications with the most advanced control system available. The Legacy 6000, coupled with the Dual Control Module (DCM), can be tasked with all types of product application, from single-product applications to multiple-product variable-rate applications. Up to six products can be applied simultaneously, each at a fixed application rate or based on a variable-rate prescription. And every application is recorded so you know what you applied and where it went.

Legacy 6000 as a Task Controller

Legacy 6000 can be connected to most popular application rate controls from many different manufacturers. This setup allows you to add the benefits of variable-rate applications and as-applied record keeping while taking advantage of an existing application control system. Connect the Legacy 6000 to your existing console with a serial cable and upgrade your capabilities immediately.

Automatic Boom Section Control

Take advantage of Swath Manager automatic boom section control. When connected to a GPS receiver, the Legacy 6000 maintains a record of where it has applied product within any particular job or field. Based on this information, the Legacy 6000 can automatically switch off boom, spreader or seeder sections when they enter a previously applied area. Swath Manager gives quick payback in reduced fertilizer and chemical usage.



Direct Injection

The ultimate in chemical application accuracy and convenience is possible with the Legacy 6000 system. Direct Injection stores concentrated chemicals in special tanks, and injects them into the carrier as required for the application. The solution is mixed on its way to the boom and applied as normal. Direct Injection means your carrier tank stays clean and chemical-free, and any unused chemical can be easily returned to its container for future use. Both peristaltic and piston injection pumps are available.

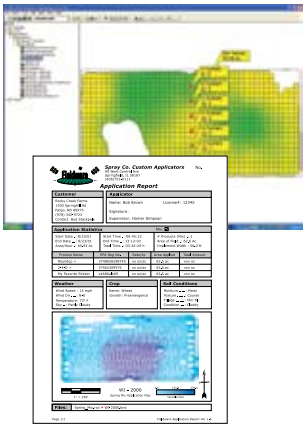
DATA AND MAPPING

Complete Real-Time Field Mapping

View your position in the field in real-time and record your work as it takes place. Map field boundaries and get instant area measurements. Boundaries can be saved and used in future applications. Field features and hazards can also be mapped and saved for future reference. All application records made with a GPS receiver attached show the specific application rate of each product at each location in your field.

Application Reports

The data collected during your application can quickly and easily be converted to a printed application report. This report shows all application data, including weather and field conditions. The report even includes a map of your application.



GPS GUIDANCE

Assisted Steering

The proven benefits of automated steering include higher productivity, less operator fatigue, and fewer skips and overlaps. The Legacy 6000 provides a single interface to your automated steering system and your application control system. Automated steering operates in straight-line, curved and circle-pivot patterns.

FIELDPILOT

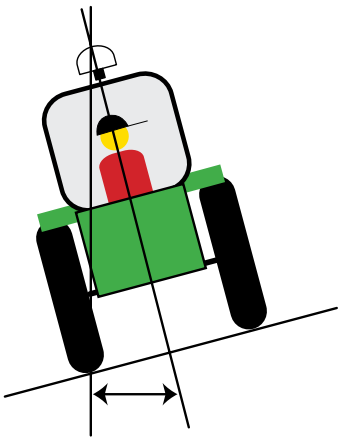
AUTOMATED STEERING WITH PRECISE PRODUCT CONTROL

Lightbar Guidance

More features than any other lightbar guidance system. A bright, full-sized lightbar can be mounted inside or outside your cab and provides clear steering guides with its LEDs. The lightbar also provides a heads-up view to key application data while you're working – choose application rate, speed, pass number, off-track distance or other data.

Tilt Correction

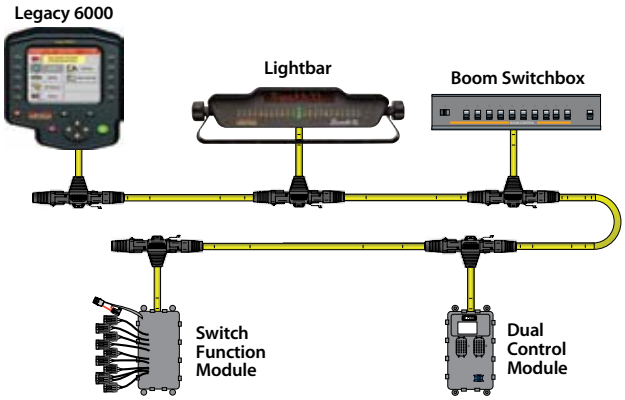
Improve accuracy by eliminating position errors caused by side-slope conditions. The Tilt Compensation Module intercepts GPS data and corrects it based on the vehicle's tilt angle. Operation on hills and in bumpy terrain is much more accurate.



VALUE

Future-Proof

The design of the Legacy 6000 system means as new features or capabilities are developed they can easily be added. The CAN-BUS architecture is extremely flexible and modular.

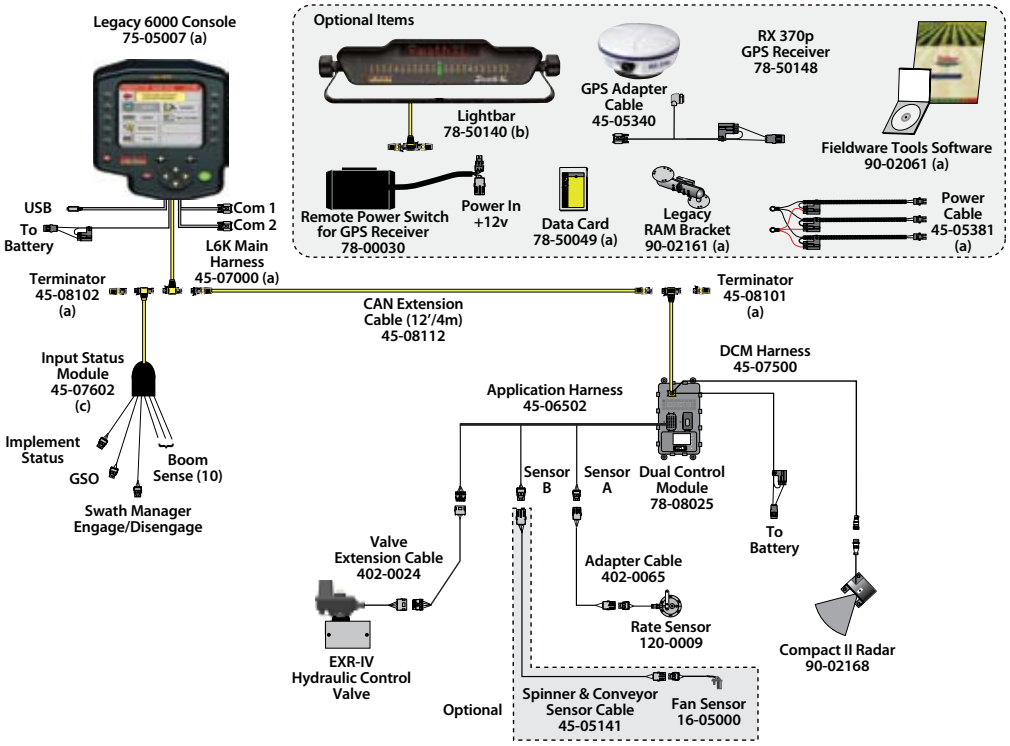


Convenience and Support

The best customer support in the industry stands behind every Legacy 6000. Our experienced and trained distributor network and expert factory support stand behind you all the way.

Cost/Benefit Ratio

The integrated design of the Legacy 6000 system means that as you add more capabilities to your system, its value in your operation increases.



Dual Control Module – DCM acts as the application control device in CAN control systems. Each DCM can control two separate products.

Switch Function Module – SFM controls boom sections either manually or automatically. Each SFM can control up to 10 boom sections

Boom Switchbox or Input Status Module (ISM) – These devices connect to the CAN-bus and allow the system to know when boom sections are turned on and off by the operator. The ISM connects to existing boom switches in a joystick or console, while the Boom Switchbox has its own boom switches. Both devices can be used with the Switch Function Module for manual or automatic boom section control.

Hydraulic Control Valve and Cables
See page 166 for hydraulic control valve details.

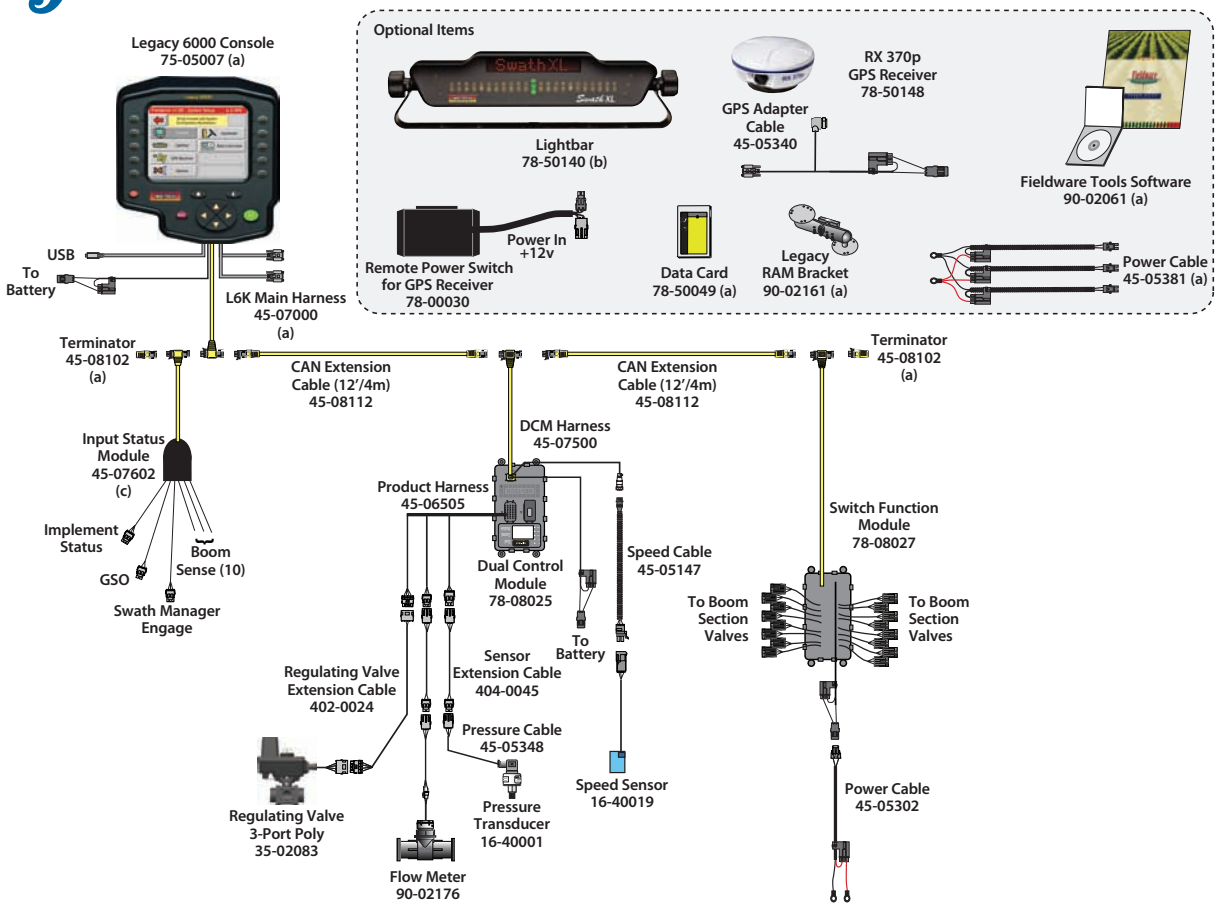
Application Rate Sensor and Cables
See page 134 for application rate sensor details.

Speed Sensor and Cables
See pages 164 and 165 for speed sensor details.

GPS Receivers and Cables
See page 125 for GPS receiver details.

Legacy 6000 CAN System Checklist—Basic Granular System

	PART NUMBER	DESCRIPTION
Console Kits	**90-02366**	Legacy 6000 Kit, Basic (contains parts identified in the system diagram with an (a))
	90-02367	Legacy 6000 Kit, Basic with Lightbar (contains parts identified in the system diagram with an (a) and (b))
	90-02368	Legacy 6000 Kit, Basic with Lightbar and ISM (contains parts identified in the system diagram with an (a), (b) and (c))
	99-01009	License for Multiple Product Variable Rate Applications (not required for non-VR Multiple Product, or for Single Product VR)
Boom Switchboxes and Input Status Modules	**45-07602**	ISM, 10 Boom
	78-30009	Boom Switchbox, Booms 1–5
	78-30004	Boom Switchbox, Booms 1–10
Switch Function Module	**78-08027**	SFM, Booms 1–10
	45-05302	SFM Power Cable with Metripack Connector (one required per SFM)
DCM and Power/Speed Harness	**78-08025**	DCM with Fieldware
	45-07500	DCM Harness with CAN, Power and Speed Connections (one required per DCM)
DCM Application Control Harnesses (one required per product)	**45-06501**	DCM Product Harness, Servo Valve + One Frequency Type Sensor Input
	45-06502	DCM Product Harness, Servo Valve + Two Frequency Type Sensor Inputs
CAN Extension Cables	**45-08106**	6′ CAN Extension Cable
	45-08112	12′ CAN Extension Cable
	45-08117	20′ CAN Extension Cable
	45-08118	30′ CAN Extension Cable
Power Cables (Standard 2-Position Weatherpack)	**401-0016**	Battery Cable, 2′, 1 Lead
	45-05037	Battery Cable, 2′, 2 Lead
	401-0011	Battery Cable, 2′, 3 Lead
	45-05381	Battery Cable, 12′, 3 Lead with Fuses
	45-05160	10′ Power Extension Cable, Fused
	45-05161	20′ Power Extension Cable, Fused
	45-05162	30′ Power Extension Cable, Fused
Fieldware Office Software	**90-02061**	Fieldware Office Software CD and Manual



Legacy 6000 CAN System Checklist—Basic Liquid System

	PART NUMBER	DESCRIPTION
Console Kits	**90-02366**	Legacy 6000 Kit, Basic (contains parts identified in the system diagram with an (a))
	90-02367	Legacy 6000 Kit, Basic with Lightbar (contains parts identified in the system diagram with an (a) and (b))
	90-02368	Legacy 6000 Kit, Basic with Lightbar and ISM (contains parts identified in the system diagram with an (a), (b) and (c))
	99-01009	License for Multiple Product Variable Rate Applications (not required for non-VR Multiple Product, or for Single Product VR)
Boom Switchboxes and Input Status Modules	**45-07602**	ISM, 10 Boom
	45-07601	ISM, 29 Boom
	78-30009	Boom Switchbox, Booms 1–5
	78-30004	Boom Switchbox, Booms 1–10
	78-30005	Boom Switchbox, Booms 11–20
Switch Function Module	**78-08027**	SFM, Booms 1–10
	78-08035	SFM, Booms 11–20
	45-05302	SFM Power Cable (one required per SFM)
DCM and Power/ Speed Harness	**78-08025**	DCM with Fieldware
	45-07500	DCM Harness with CAN, Power and Speed Connections (one required per DCM)

Legacy 6000 CAN System Checklist—Basic Liquid System CONTINUED

	PART NUMBER	DESCRIPTION
DCM Application Control Harnesses (one required per product)	**45-06501**	DCM Product Harness, Servo Valve + One Frequency Type Sensor Input (Sensor A)
	45-06502	DCM Product Harness, Servo Valve + Two Frequency Type Sensor Inputs (Sensor A/B)
	45-06505	DCM Product Harness, Servo Valve + One Frequency Type Sensor and One Analog Sensor Input (Sensor A/E)
CAN Extension Cables	**45-08106**	6' CAN Extension Cable
	45-08112	12' CAN Extension Cable
	45-08117	20' CAN Extension Cable
	45-08118	30' CAN Extension Cable
Power Cables (Standard 2-Position Weatherpack)	**401-0016**	Battery Cable, 2', 1 Lead
	45-05037	Battery Cable, 2', 2 Lead
	401-0011	Battery Cable, 2', 3 Lead
	45-05381	Battery Cable, 12', 3 Lead with Fuses
	45-05160	10' Power Extension Cable, Fused
	45-05161	20' Power Extension Cable, Fused
	45-05162	30' Power Extension Cable, Fused
Fieldware Office Software	**90-02061**	Fieldware Office Software CD and Manual

Regulating Valve and Cables See page 167 for regulating valve details.

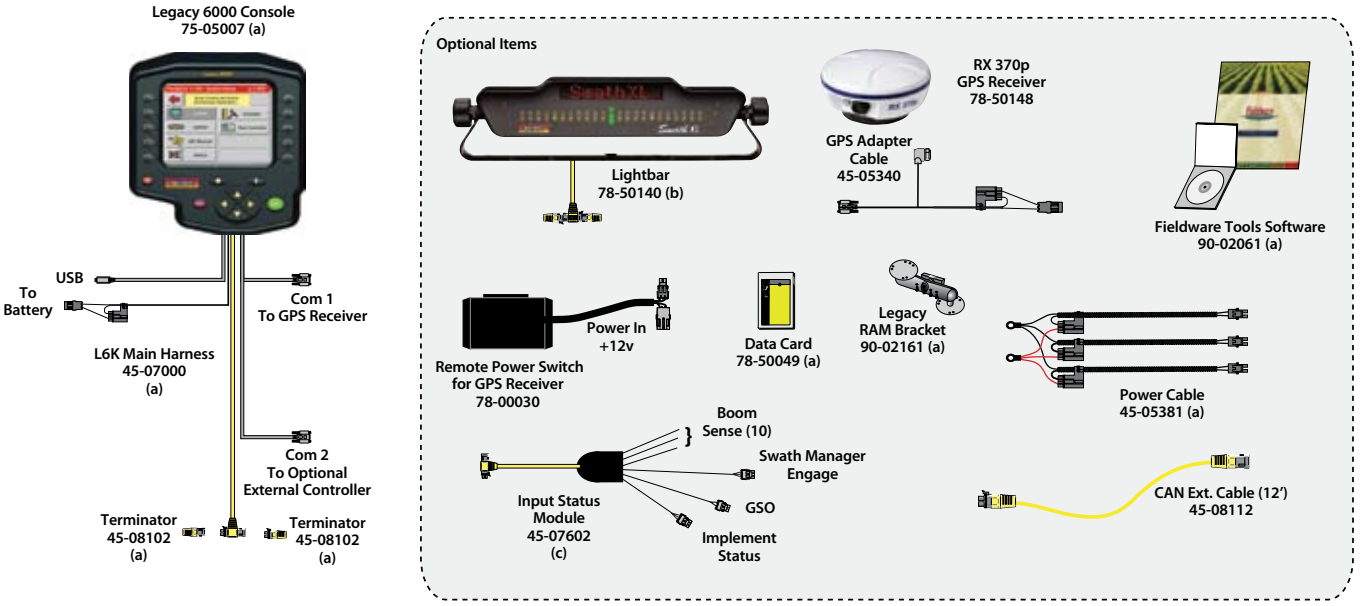
Flow Meter and Cables See page 162 and 163 for flow meter details.

Speed Sensor and Cables See pages 164 and 165 for speed sensor details.

GPS Receivers See page 125 for GPS receiver details.

Pressure Sensor and Cables See page 164 for pressure sensor details.

Legacy 6000 EXT with Fieldware



Legacy 6000 EXT System Checklist

	PART NUMBER	DESCRIPTION
Console Kits	**90-02366**	Legacy 6000 Kit, Basic (contains parts identified in the system diagram with an (a))
	90-02367	Legacy 6000 Kit, Basic with Lightbar (contains parts identified in the system diagram with an (a) and (b))
	90-02368	Legacy 6000 Kit, Basic with Lightbar and ISM (contains parts identified in the system diagram with an (a), (b) and (c))
	99-01009	License for Multiple Product Variable Rate Applications (not required for non-VR Multiple Product, or for Single Product VR)
CAN Extension Cables	**45-08106**	6′ CAN Extension Cable
	45-08112	12′ CAN Extension Cable
	45-08117	20′ CAN Extension Cable
	45-08118	30′ CAN Extension Cable
Power Cables (Standard 2-Position Weatherpack)	**401-0016**	Battery Cable, 2′, 1 Lead
	45-05037	Battery Cable, 2′, 2 Lead
	401-0011	Battery Cable, 2′, 3 Lead
	45-05381	Battery Cable, 12′, 3 Lead with Fuses
	45-05160	10′ Power Extension Cable, Fused
	45-05161	20′ Power Extension Cable, Fused
	45-05162	30′ Power Extension Cable, Fused
Controller Interfaces and Cables	**78-05007**	Datalink for Mid-Tech® TASC Controllers, V5.0
	45-20063	Communications Cable, Legacy 6000 to TeeJet 854
	45-05375	Communications Cable, Legacy 6000 to Raven Consoles and DICKEY-john Land Manager
Fieldware Office Software	**90-02061**	Fieldware Office Software CD and Manual

RMS CAN for Legacy 6000

RMS CAN for Legacy 6000 is a self-contained, multiple product control system with dedicated software specifically for roadside application of sprayed chemicals. One Legacy 6000 console provides the operator with the tool needed to control the entire spraying operation.

Features:

- Automatic rate control based on vehicle speed.
- Legacy 6000 controls up to 6 products at the same time.
- Direct chemical injection control is available.
- Real time display of application rates.
- Tell the Legacy 6000 the angle of the incline or decline that you are spraying, and it will adjust the flow rates automatically to account for the change in effective swath width.
- View background maps during a spraying session.
- Hand gun mode is available.
- Display and record vital spraying session data.
- Print spray session reports to meet customer or agency record-keeping requirements.
- View “on-screen” boom status of active and inactive boom sections.
- View “on-screen” product and boom spray activity while spraying.
- Legacy 6000 will warn you of pre-mapped hazards and areas that are not to be sprayed.
- Easy to understand “Soft Key” button symbols for simple operation of Legacy 6000.
- On-board “Help” screen.
- On-screen “message banner” for operational feedback information and warning messages.
- Map objects and add weather information during the spraying session.

RMS Office

RMS Office is the desktop software component of the RMS application system. RMS Office helps manage your application data and records, and provides full reporting capabilities of your spraying jobs. In this desktop application, profiles are created for individual companies, personnel, contractors, chemicals and chemical mixes and spray vehicle configurations. These profiles are then combined with the GPS-based application data to provide comprehensive, site-specific application records of your spraying activities. Protect your department from spraying-related liability issues by fully documenting each spraying session.

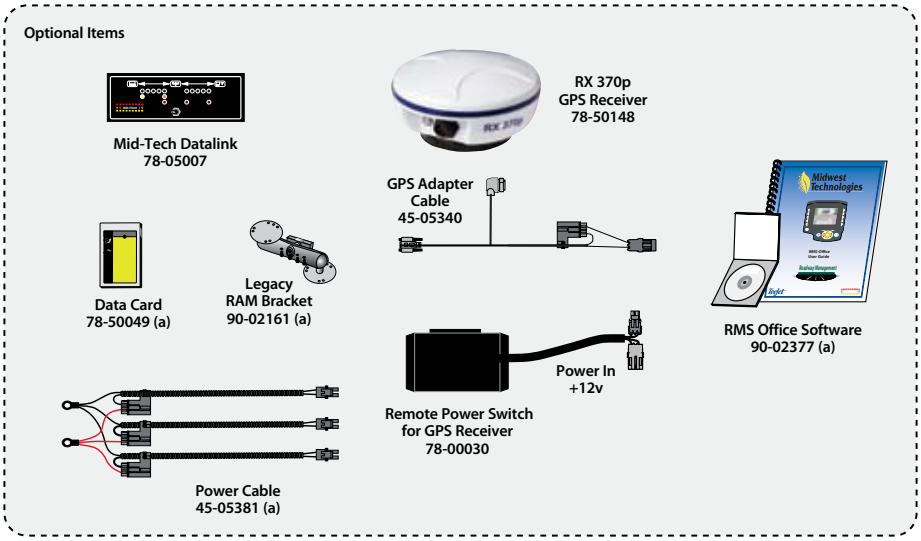
Features:

- Create profiles for: agencies, chemicals, chemical mixtures, personnel, vehicles and spray configurations.
- View background maps of roads and streams.
- View base maps and object information.
- Create and print base maps.
- Create and print finished application reports using Report Wizard.
- Import and export shape files.
- Protect your department from spray-related liability issues with fully documented spray sessions.

Legacy 6000 RMS-EXT System

- Uses a Legacy console for mapping and data collection, while connected to a Mid-Tech® TASC® controller that handles the appllication rate control.

Legacy 6000 RMS (EXT) System Diagram



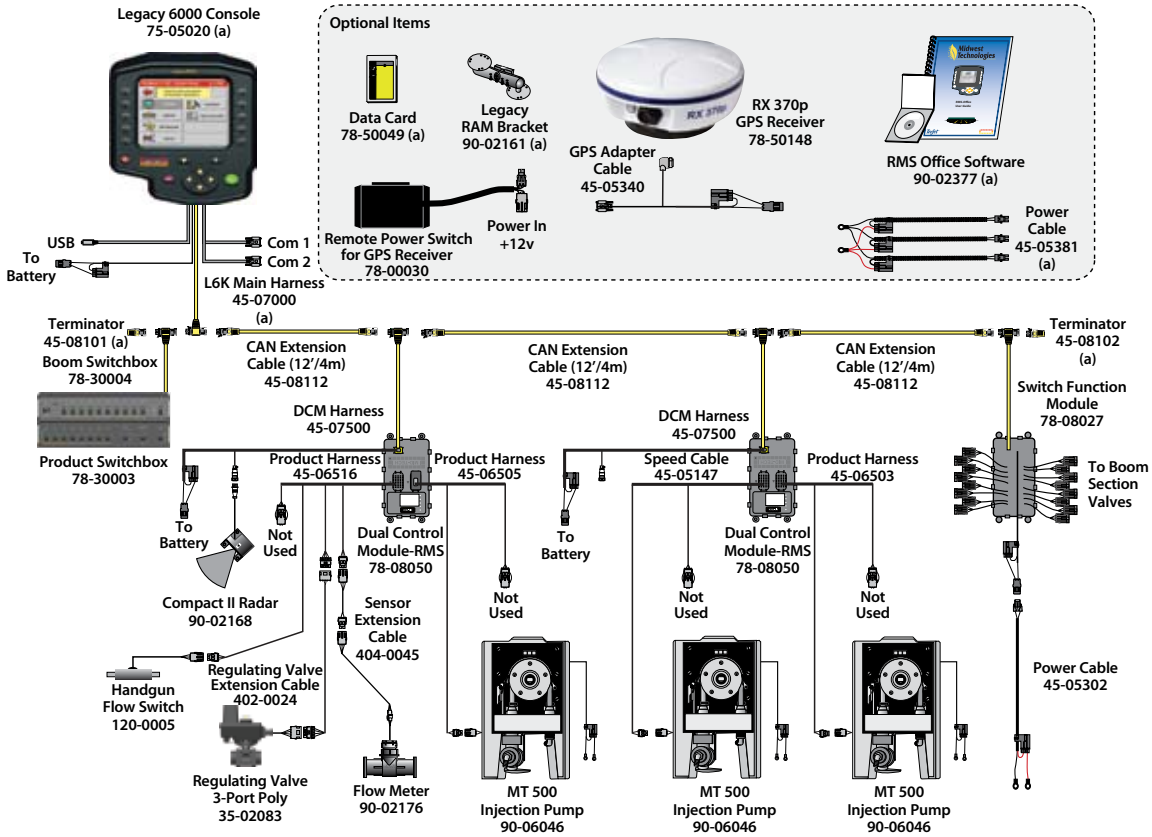
Legacy 6000 RMS-EXT System Checklist

	PART NUMBER	DESCRIPTION
Console Kits	**90-02369**	Legacy 6000 RMS Kit, Basic (contains parts identified in the system diagram with an (a))
Power Cables (Standard 2-Position Weatherpack)	**401-0016**	Battery Cable, 2', 1 Lead
	45-05037	Battery Cable, 2', 2 Lead
	401-0011	Battery Cable, 2', 3 Lead
	45-05381	Battery Cable, 12', 3 Lead with Fuses
	45-05160	10' Power Extension Cable, Fused
	45-05161	20' Power Extension Cable, Fused
	45-05162	30' Power Extension Cable, Fused
RMS Office Software	**90-02377**	RMS Office Software Kit
Controller Interfaces and Cables	**78-05007**	Datalink for Mid-Tech TASC controllers, V5.0

GPS Receivers

See page 125 for GPS receiver details.

Legacy 6000 RMS-CAN 3 Product Injection with Carrier Control



Legacy 6000 RMS-CAN System Checklist

	PART NUMBER	DESCRIPTION
Console Kits	**90-02369**	Legacy 6000 RMS Kit, Basic (contains parts identified in the system diagram with an (a))
Boom Switchboxes and Input Status Modules	**45-07602**	ISM, 10 Boom
	45-07601	ISM, 29 Boom
	78-30009	Boom Switchbox, Booms 1–5
	78-30004	Boom Switchbox, Booms 1–10
	78-30005	Boom Switchbox, Booms 11–20
Product Switchboxes	**78-30008**	Product Switchbox, Product 1–4
	78-30003	Product Switchbox, Product 1–8
Switch Function Module	**78-08027**	SFM, Booms 1–10
	78-08035	SFM, Booms 11–20
	45-05302	SFM Power Cable (one required per SFM)
DCM and Power/ Speed Harness	**78-08050**	DCM with RMS
	45-07500	DCM Harness with CAN, Power and Speed Connections (one required per DCM)
DCM Application Control Harnesses (one required per product)	**45-06503**	DCM Product Harness, Injection Pump Drive + Flow Monitor Input (Sensor D—Sensor A Used by Pump)
	45-06516	DCM Product Harness, Servo Valve + 2 Frequency Type Sensor and One Analog Sensor Input (Sensors A/D/E)
	45-06517	DCM Product Harness, Injection Pump Drive, Flow Monitor Input and Agitation Output (Sensor D—Sensor A Used by Pump)

Legacy 6000 CAN System Checklist—Basic Liquid System CONTINUED

	PART NUMBER	DESCRIPTION
Handgun Components	**120-0004**	Flow Switch, NO, 1½ GPM
	120-0005	Flow Switch, NO, ½ GPM
	402-0009	Cable, 18', Handgun Flow Switch
CAN Extension Cables	**45-08106**	6' CAN Extension Cable
	45-08112	12' CAN Extension Cable
	45-08117	20' CAN Extension Cable
	45-08118	30' CAN Extension Cable
Power Cables (Standard 2-Position Weatherpack)	**401-0016**	Battery Cable, 2', 1 Lead
	45-05037	Battery Cable, 2', 2 Lead
	401-0011	Battery Cable, 2', 3 Lead
	45-05381	Battery Cable, 12', 3 Lead with Fuses
	45-05160	10' Power Extension Cable, Fused
	45-05161	20' Power Extension Cable, Fused
	45-05162	30' Power Extension Cable, Fused
RMS Office Software	**90-02377**	RMS Office Software CD and Manual

Regulating Valve and Cables
See page 167 for regulating valve details.

Flow Meter and Cables
See pages 162 and 163 for flow meter details.

Speed Sensor and Cables
See pages 164 and 165 for speed sensor details.

GPS Receivers
See page 125 for GPS receiver details.

Injection System Components
See pages 169 and 170 for injection system components.

Pressure Sensor and Cables
See page 164 for pressure sensor details.

Flow Meters

A range of flow meters is available to match your application. Flow rates from .8 GPM (3 l/min) to 400 GPM (1500 l/min) are available in a range of styles and bearing materials. The 801 flow meter is a versatile design ideal for most applications between 2.5 GPM (9.5 l/min) and 60 GPM (227 l/min). For sizes and types not shown in this catalog, contact your TeeJet dealer.

801 Flow Meter

801 Flow Meter

- Wetted parts are glass-filled polypropylene, stainless steel and Viton®.
- Pressure rating of 300 PSI (20 bar).
- Flange connections provide threadless, leakproof design and maximum plumbing versatility. See pages 96 and 97 for information on flange fittings.
- Easily removable "quick check" turbine for quick cleanup and service.
- Durable ruby bearings for long wear life.

Standard Flow Meters

- Nylon construction for chemical resistance and durability.
- Various sizes allow for flow rates from .8 to 396 GPM (3 to 1,500 l/min).
- Hose barb or threaded connections allow for easy installation.
- Sensor assembly easily removed for service.
- Designed with stainless steel bearings. Other bearing materials are available.
- Pressure rating of 300 PSI (20 bar).

Standard Flow Meter

Standard Flow Meter with Interface

SS Flow Meter

Flow Meters

PART NUMBER	DESCRIPTION	FLOW CAPACITY
801 AND STANDARD FLOW METERS FOR TEEJET CONTROLS (includes sensor)		
90-50230	1" 801 Flow Meter with 1" Straight Hose Barbs	2.5–60 GPM (9.5–227 l/min)
90-50232	1" 801 Flow Meter with 1¼" Straight Hose Barbs	2.5–60 GPM (9.5–227 l/min)
57-10080	½" Standard Flow Meter with ½" Hose Barbs	0.8–8 GPM (3–30 l/min)
57-10096	¾" Standard Flow Meter with ¾" Hose Barbs	1.9–37 GPM (7–140 l/min)
57-10097	2" Standard Flow Meter with 2" Hose Barbs	19–400 GPM (72–1500 l/min)
57-10059	Sensor for TeeJet ½" Standard Flow Meter	
57-10055	Sensor for TeeJet Standard Flow Meters other than ½"	
STANDARD FLOW METERS FOR MID-TECH® CONTROLS		
120-0101	1" Flow Meter, 1¼" Hose Barbs*	2.6–53 GPM
120-0102	1" Flow Meter, 1" Hose Barbs*	2.6–53 GPM
120-0151	1½" Flow Meter, 1½" Hose Barbs*	9–185 GPM
120-0201	2" Flow Meter, 2" Hose Barbs*	20–396 GPM
120-0037	316 Stainless Steel Flow Meter, 1¼" NPT	3–70 GPM (11.3–265 l/min)
(* requires one of the following sensor cables)		
405-0044	Flow Meter Interface Cable—12' (3.7m)	
405-0056	Flow Meter Interface Cable—24' (7.4m)	
RAPID CHECK FLOW METERS FOR TEEJET & MID-TECH CONTROLS		
121-0101	1" Rapid Check Flow Meter, no Hose Barbs**	0.75–5 GPM
121-0103	1" Rapid Check Flow Meter, insert only	0.75–5 GPM
121-0120	1" Rapid Check Flow Meter, 1" Hose Barbs**	2.5–25 GPM
121-0104	1" Rapid Check Flow Meter, insert only	2.5–25 GPM
121-0153	1½" Rapid Check Flow Meter, insert only	2.5–16 GPM
57-00004	1½" Rapid Check Flow Meter, 1½" Hose Barbs **	2.6-53 GPM
57-00003	1½" Rapid Check Flow Meter, insert only	2.6–53 GPM
121-0154	1½" Rapid Check Flow Meter, insert only	9–90 GPM
121-0171	1½" Rapid Check Flow Meter, 1½" Hose Barbs**	9–90 GPM
90-02176	801 Flow Meter, 1" Hose Barbs, Sensor Interface (Mid-Tech controls only)	
(** requires one of the following sensor cables)		
405-0144	Mid-Tech Rapid Check Flow Meter Interface Cable—12' (3.7m)	
405-0188	Mid-Tech Rapid Check Flow Meter Interface Cable—32" (0.8m)	
57-10057	TeeJet Rapid Check Flow Meter Sensor	
FLOW METER ADAPTER CABLES FOR MID-TECH CONTROLS		
45-05315	Mid-Tech Flow Meter Interface Cable—12' (3.7m), for 801 Flow Meter	
404-0057	Flow Meter Adapter Cable for 120-0037	
404-0045	Flow Meter Extension Cable—18' (5.6m)	
404-0039	Flow Meter Extension Cable—25' (7.8m)	
402-0040	DICKEY-john Flow Meter Adapter Cable—18' (5.6m)	
404-0023	Raven Flow Meter Adapter Cable—18' (5.6m)	

D Series Flow Meters

PART NUMBER		DESCRIPTION
MID-TECH® AND TEEJET CONTROLS	LH AGRO CONTROLS	
10 mm FLOW METERS – 0.4–22 GPM (1.5–85 l/min)		
N/A	906-987	10 mm Flow Meter—10 m Cable—No Connector
57-00079	906-989	10 mm Flow Meter—0.5 m Cable—Deutsch Connector (no Hose Barbs)
90-02308	N/A	10 mm Flow Meter—0.5 m Cable—Deutsch Connector (with ½″ Hose Barbs)
Fittings for the 10 mm Flow Meter		
N/A	950-915	¾″ Male BSPT
N/A	950-916	¾″ Female BSPT
57-00083	941-987	½″ Hose Barb
N/A	942-989	¾″ Threaded Connector Kit (1 Male and 1 Female Connector)
16 mm FLOW METERS – 1.3–42 GPM (5–160 l/min)		
N/A	907-986	16 mm Flow Meter—10 m Cable—no Connector
N/A	907-980	16 mm Flow Meter—8 m Cable—JST Connector
N/A	907-981	16 mm Flow Meter—1.5 m Cable—JST Connector
57-00080	907-985	16 mm Flow Meter—0.5 m Cable—Deutsch Connector (no Hose Barbs)
90-02309	N/A	16 mm Flow Meter—0.5 m Cable—Deutsch Connector (with ¾″ Hose Barbs)
90-02310	N/A	16 mm Flow Meter—0.5 m Cable—Deutsch Connector (with 1″ Hose Barbs)
Fittings for the 16 mm Flow Meter		
57-00084	941-991	TeeJet Valve Adapter
N/A	950-988	¾″ Male BSPT
N/A	950-986	¾″ Female BSPT
57-00086	951-988	¾″ Hose Barb
57-00085	952-988	1″ Hose Barb
N/A	931-988	Hardi EC "Twin" Connector Kit
20 mm FLOW METERS – 5.3–66 GPM (20–250 l/min)		
N/A	902-986	20 mm Flow Meter—6 m Cable—No Connector
N/A	902-988	20 mm Flow Meter—15 m Cable—No Connector
57-00081	906-988	20 mm Flow Meter—0.5 m Cable—Deutsch Connector (no Hose Barbs)
90-02311	N/A	20 mm Flow Meter—0.5 m Cable—Deutsch Connector (with ¾″ Hose Barbs)
90-02312	N/A	20 mm Flow Meter—0.5 m Cable—Deutsch Connector (with 1″ Hose Barbs)
90-02313	N/A	20 mm Flow Meter—0.5 m Cable—Deutsch Connector (with 1¼″ Hose Barbs)
Fittings for the 20 mm Flow Meter		
57-00087	933-988	TeeJet Valve Adapter
N/A	950-983	¾″ Male BSPT
N/A	951-986	1″ Female BSPT
N/A	952-986	1″ Male BSPT
57-00089	953-986	¾″ Hose Barb
57-00088	954-986	1″ Hose Barb
57-00090	956-986	1¼″ Hose Barb
57-00098	957-986	1½″ Hose Barb
26 mm FLOW METERS – 5.3–105 GPM (20–400 l/min)		
N/A	908-986	26 mm Flow Meter—6 m Cable—No Connector
N/A	908-987	26 mm Flow Meter—3 m Cable—JST Connector
57-00082	908-988	26 mm Flow Meter—0.5 m Cable—Deutsch Connector (no Hose Barbs)
90-02314	N/A	26 mm Flow Meter—0.5 m Cable—Deutsch Connector (with 1¼″ Hose Barbs)
90-02315	N/A	26 mm Flow Meter—0.5 m Cable—Deutsch Connector (with 1½″ Hose Barbs)
Fittings for the 26 mm Flow Meter		
57-00091	934-002	TeeJet Valve Adapter
N/A	958-986	1½″ Male BSPT
57-00093	959-986	1¼″ Hose Barb
57-00092	960-986	1½″ Hose Barb
40 mm FLOW METERS – 10.5–264 GPM (40–1000 l/min)		
N/A	909-986	40 mm Flow Meter—6 m Cable—No Connector
57-00094	909-988	40 mm Flow Meter—0.5 m Cable—Deutsch Connector (no Hose Barbs)
90-02316	N/A	40 mm Flow Meter—0.5 m Cable—Deutsch Connector (with 2″ Hose Barbs)
Fittings for the 40 mm Flow Meter		
N/A	961-986	2″ Male BSPT
57-00095	962-986	2″ Hose Barb

10 mm, 16 mm Flow Meters

20 mm Flow Meters

26 mm, 40 mm Flow Meters

Adapter Cables

PART NUMBER		DESCRIPTION
MID-TECH CONTROL	LH AGRO CONTROL	
45-05315	N/A	12′ Adapter Cable—D Series Flow Meter to Mid-Tech Flow Control Cable
45-05453	N/A	15′ Adapter Cable—D Series Flow Meter to Mid-Tech Flow Control Cable, with Divide-by-Two
45-05472	N/A	12″ Adapter Cable—D Series Flow Meter to Mid-Tech Flow Control Cable, with Divide-by-Two

TeeJet® Speed and Pressure Sensors

PART NUMBER	DESCRIPTION
90-02371	GPS Speed Sensor Kit for Mid-Tech Controls
90-02386	GPS Speed Sensor Kit for TeeJet Controls
90-02404	GPS Speed Sensor Kit for Raven Controls
78-05068	GPS Speed Sensor with 4-pin AMP connector
78-05070	GPS Speed Sensor with 3 position Conxall connector
78-05071	GPS Speed Sensor with 3 position Deutch connector
78-50155	Patch Antenna for GPS Speed Sensor
SPEED SENSORS FOR MID-TECH® CONTROLS	
120-0001-Kit	DICKEY-john RVS II Radar with Mounting Bracket
78-50082	Compact II Radar Only
90-02168	Compact II Radar with Cable (AMP CPC Connector)
120-0011	Universal Magnetic Wheel Sensor Kit—20' (6m) Cable
SPEED SENSORS FOR TEEJET CONTROLS	
16-40004	Proximity Speed Sensor
16-40007	Wheel Speed Sensor Kit (Sensor, 2 Magnets and Brackets)
16-40012	Wheel Speed Sensor Kit (Sensor, 4 Magnets and Brackets)
16-40003	Wheel Speed Sensor Only
64-50014	Single Magnet Assembly
16-40013	Speed Sensor Bracket Assembly
90-02169	Compact II Radar with Cable Deutsch Connector
78-50082	Compact II Radar Only
45-20042	Speed Sensor Adapter Cable for TeeJet Controls for use with GPS Speed Sensor 90-02371 (in table above)

Note: A wide range of adapter cables are available to adapt TeeJet, Mid-Tech® and LH products to almost any speed signal source. Please contact your TeeJet representative and request Bulletin #98-01110 for details.

Compact II Radar

Wheel Speed Sensor

Proximity Speed Sensor

GPS Speed Sensor

Proximity Sensor

TeeJet proximity sensors are reliable and easy to use because they do not require magnets and will produce a signal from any metal object.

- Built-in LED at sensor.
- Weather-resistant connector.
- Reverse polarity protected.

Magnetic Sensor

The magnetic speed sensor kit is designed for versatility and long life. All components are plated steel or aluminum, and each sensor is equipped with a built-in test light and waterproof connectors.

- Built-in LED at sensor.
- Weather-resistant connector.
- Reverse polarity protected.

GPS Speed Sensor

- The GPS Speed Sensor uses a GPS receiver to measure true ground speed, then delivers a frequency signal compatible with the radar speed signal input on most controls and monitors.
- Eliminates problems frequently found with radar speed sensors on wet surfaces, with moving crops, or vehicle vibration.
- Convenient enclosure mounts inside cab, only a small patch antenna is mounted outside.
- Status LEDs show power, GPS lock and speed output conditions.
- Wide range of adapter cables available making it compatible with all popular application rate control systems.
- State-of-the-art GPS engine delivers better performance than many comparable units on the market.
- Speed range 5.-80+ mph / 1-130+ km/h.

TeeJet Pressure Sensors

Pressure Sensors

- Available in two pressure ranges for maximum accuracy in your application.
- Reverse polarity protected.
- Weather-resistant connector.
- 145 PSI (10 bar) and 363 PSI (25 bar).
- ¼" NPT (M) connections.
- Sensors can withstand 2x rated pressure without damage.

How to Order

PART NUMBER	DESCRIPTION
16-40001	Pressure Sensor, ¼" NPT, 0–145 PSI (0–10 bar)
16-40002	Pressure Sensor, ¼" NPT, 0–363 PSI (0–25 bar)
45-05348	Adapter Cable, Pressure Sensor to Legacy Product Harness

Mid-Tech Speed Sensor Cables & Adapters

PART NUMBER	DESCRIPTION
RADAR AND SPEED SENSOR ADAPTER CABLES	
404-0088	John Deere 7000 and 8000 Series Adapter Cable (connects to John Deere connector in right hand instrument panel)
45-05440	Radar or Magnetic Speed Sensor Extension Cable—6′
402-0005	Radar or Magnetic Sensor Extension Cable—18′
402-0035	Radar or Magnetic Sensor Extension Cable—30′
402-0003	DICKEY-john Radar "Y" Cable, 2 x 14" Leads
402-0015-D	DICKEY-john Radar "Y" Cable to Mid-Tech® Console with Overload Protection, 2-1′ Insert Lines, 1-6′ Lead to Console
402-0015-M	Magnavox Radar (John Deere) "Y" Cable to Mid-Tech Console with Overload Protection, 2-1′ Insert Lines, 1-6′ Lead to Console (some models only)
405-0114-D	DICKEY-john Radar "Y" Cable toMid-Tech Console with Overload Protection, 2-1′ Insert Lines, 1-15′ Lead to Console
405-0114-M	Magnavox Radar (John Deere–some models only) "Y" Cable toMid-Tech Console with Overload Protection, 2-1′ Insert Lines, 1-15′ Lead to Console
405-0114-CIH	DICKEY-john Radar (Case IH) "Y" Cable to Mid-Tech Console with Overload Protection, 2-1′ Insert Lines, 1-15′ Lead to Console
402-0017	Raven Radar "Y" Cable to Mid-Tech
402-0021	TRW Radar Cable—20′
402-0038	Raven Radar Adapter Cable
405-0114-JDY	Radar "Y" Cable for John Deere 7000 and 8000 Series with Overload Protection, 2-1′ Insert Lines, 1-6′ Lead to Console (connects to John Deere connector in right hand instrument panel)
405-0027	MicroTrak Trakster Interface To Mid-Tech—20′
45-05147	Magnavox and Compact Radar Cable, 18′
TRACTOR RADAR ADAPTER CABLE SELECTION GUIDE	
405-0114-CIH	**CASE IH** 7000 and 9000 Series, MX, MXM—Connects at Radar Gun
402-0044	**CATERPILLAR** Series A and B (Pre '93)—Connects at Radar Gun
402-0043	**CATERPILLAR** Series C and D, 35, 45, 55—Connects at Radar Gun
45-05440	**CATERPILLAR** E, 700 and 800 Series—Connects to Caterpillar Connector in Cab—6′
402-0015-D	**CATERPILLAR** E, 700, & 800 series—Connects to Caterpillar connector in cab—"Y" cable with overload protection—6′ lead to console
402-0048	**FORD** Genesis—Connects at Radar Gun
402-0015-M	**JOHN DEERE** 4050, 4250, 4450, 4560, 4650, 4760, 4850, 4960—Connects at Radar Gun
404-0088	**JOHN DEERE** 7600, 7700, 7800 (connects to John Deere connector in right hand instrument panel)
78-05016	**JOHN DEERE** 7810 Transmission Sensor
404-0088	**JOHN DEERE** 8x00, 8x10, 8x20, 8x30 and 9000 Series (connect to John Deere connector in right hand instrument)
405-0114-M	**JOHN DEERE** 8560, 8760, 8960, 8970—Connects at Radar Gun

Flow Control and Power Cables—ARC and TASC®

PART NUMBER	DESCRIPTION	NOTE
FLOW CONTROL CABLES		
404-0022	Flow Control Cable (25′) with 20′ Power Supply Cable for Standard Mid-Tech® Wiring	
404-0061	Flow Control Cable (25′) with 20′ Power Supply Cable for use with DICKEY-john 360 Slot Rate Sensor	
OPTIONS		
602-0013	Flow Control Extension Cable—12′	
401-0102	Power Cable Extension—20′	
POWER CABLES		
401-0016	Power Cable, 1 Lead x 2′	
45-05037	Power Cable, 2 Leads x 2′	
401-0011	Power Cable, 3 Leads x 2′	
401-0012	Power Cable, 5 Leads, 3 x 5′, 2 x 2′	
HARNESSES		
405-0074	Integrated Power and Flow Control Cable (~23′ to valve, ~6′ to Flow Meter Connector, ~20′ to Battery)	f
405-0174	Integrated Power and Flow Control Cable for Pull-Type Sprayers	f

Butterfly Valve for 744A

The TeeJet butterfly valve provides remote pressure control and features a two-wire lead for use in 12 VDC system. Its quality design features good corrosion resistance, a low power consumption of 0.15 amp and ¾" NPT or BSPT (F) connections.

Features:

- Pressure drop of 5 PSI (0.35 bar) for 28 GPM (106 l/min).
- Maximum operating pressure is 100 PSI (7 bar).

Ball Valves

- BRL version has specially shaped ball for improved regulation control.
- Designed for maximum durability with automatic sprayer controls.
- See table on page 167 for port options and flow rates
- Stainless steel stem on all B-series models. Poly ball is standard (stainless steel ball optional).
- Maximum pressure of 300 PSI (20 bar).
- Cycle time from fully closed to fully open is 6 seconds for TeeJet controls, 3 seconds for Mid-Tech® controls.

High-Precision Ball Valve

- Special design achieves gradual and smooth regulation.
- Ideal for applications where precise regulation takes priority over regulation speed or flow capacity.
- See table on Page 168 for port options and flow rates.
- Maximum pressure of 300 PSI (20 bar) for 344BPR, and 150 PSI (10 bar) for 346BPR.
- Cycle times fully closed to fully open in 6 or 36 seconds.

EXR IV Hydraulic Control Valve

EXR IV Hydraulic Control Valves

VALVE ASSEMBLY	CARTRIDGE	MANIFOLD	MAX. FLOW RATE (GPM)	SPEED (SEC)	PORTS	PORT SIZE	TYPE	ACTUATOR
35-02130	**35-05015**	**879-2243**	50.00	3.0	3	#16		**35-04065**
35-02129	**35-05015**	**35-03006**	50.00	3.0	3	#16	PR	**35-04065**
35-02128	**35-05013**	**35-03004**	30.00	3.0	3	#12		**35-04065**
35-02127	**35-05013**	**35-03005**	30.00	3.0	3	#12	PR	**35-04065**
35-02126	**35-05011**	**35-03003**	20.00	3.0	2	#12	PR	**35-04065**
35-02125	**35-05011**	**35-03004**	20.00	3.0	3	#12		**35-04065**
35-02124	**35-05010**	**35-03000**	15.00	7.0	2	#16	LS	**35-04070**
35-02123	**35-05009**	**35-03004**	15.00	3.0	3	#12		**35-04065**
35-02122	**35-05007**	**879-2242**	13.80	7.0	2	#12		**35-02070**
35-02121	**35-05005**	**35-03004**	13.00	3.0	3	#12		**35-04065**
35-02120	**35-05003**	**35-03003**	8.00	3.0	2	#12	PR	**35-04065**
35-02119	**35-05003**	**35-03004**	8.00	3.0	3	#12		**35-04065**
35-02118	**35-05002**	**35-03015**	5.00	7.0	2	#12	LS	**35-04070**
35-02117	**35-05001**	**35-03015**	5.00	3.0	2	#12		**35-04065**

PR—Includes Pressure Relief, LS—Includes Load Sense Port

Regulating Valves for TeeJet & Mid-Tech® Controls

PART NUMBER	SIZE AND CONNECTION	REGULATING TYPE	BODY MATERIAL	NUMBER OF PORTS	SPEED (SEC.)	FLOW RATE @ 5 PSI (0.34 BAR) DROP		NOTE
						US GPM	l/min	
REGULATING VALVES FOR TEEJET CONTROLS INCLUDING 834, 844E, 854, 744A, AND 70 SERIES								
35-02116	¾" NPT	344BRL Linear Poly Ball	Nylon	2	6	27	102	
35-02135	¾" BSPT	344BRL Linear Poly Ball	Nylon	2	6	27	102	
35-02099	1" NPT	344BRL Linear Poly Ball	Nylon	2	6	27	102	
35-02087	1" NPT	344BRL Linear Poly Ball	Nylon	2	18	27	102	
35-02101	1" BSPT	344BRL Linear Poly Ball	Nylon	2	6	27	102	
35-02112	50 Series Flange	344BRL Linear Poly Ball	Nylon	2	6	27	102	
35-02114	50 Series Flange	344BRL Linear Poly Ball	Nylon	2	18	27	102	
35-02132	50 Series Flange	346BR Poly Ball	Polypropylene	2	6	100	379	
35-02090	1½" NPT	346BR Poly Ball	Polypropylene	2	6	100	379	
35-02140	1" NPT	344BRL Linear Stainless Steel Ball	Nylon	2	6	27	102	
35-02115	¾" NPT	344BPR High-Precision Poly Ball	Nylon	2	36	12	45	
35-02138	¾" BSPT	344BPR High-Precision Poly Ball	Nylon	2	36	12	45	
35-02094	1" NPT	344BPR High-Precision Poly Ball	Nylon	2	6	12	45	
35-02089	1" NPT	344BPR High-Precision Poly Ball	Nylon	2	36	12	45	
35-02141	50 Series Flange	346BPR High-Precision Poly Ball	Polypropylene	2	6	53	200	
35-02142	1¼" NPT	346BPR High-Precision Poly Ball	Polypropylene	2	6	53	200	
35-02143	1½" NPT	346BPR High-Precision Poly Ball	Polypropylene	2	6	53	200	
35-50029	¾" NPT	244C Butterfly	Nylon	2	20	28	106	
35-50030	¾" BSPT	244C Butterfly	Nylon	2	20	28	106	
REGULATING VALVES FOR MID-TECH CONTROLS								
35-02083	1" NPT	344BR Poly Ball	Nylon	3	3	24	91	g
35-02084	1½" NPT	346BR Poly Ball	Polypropylene	3	3	64	242	g
35-02085	1" NPT	344BR Poly Ball	Nylon	2	3	32	121	g
35-02086	1½" NPT	346BR Poly Ball	Polypropylene	2	3	100	379	g
879-0002	¾" NPT	Hi-Torque Stainless Steel Ball	Stainless Steel	3	1.5	27	102	g
879-0003	1" NPT	Hi-Torque Stainless Steel Ball	Stainless Steel	3	1.5	31	117	g
879-0004	1½" NPT	Hi-Torque Stainless Steel Ball	Stainless Steel	3	3	76	288	g
35-02144	50 Series Flange	346BPR High-Precision Poly Ball	Polypropylene	3	6	53	200	g
35-02145	1¼" NPT	346BPR High-Precision Poly Ball	Polypropylene	3	6	53	200	g
35-02146	1½" NPT	346BPR High-Precision Poly Ball	Polypropylene	3	6	53	200	g
OTHER REGULATING VALVES								
35-02136	1" NPT	344BE Stainless Steel Ball	Nylon	2	1	32	121	No connector
35-02093	50 Series Flange	344BRL Linear Poly Ball	Nylon	2	6	27	102	No connector
35-02134	1" NPT	344BRL Linear Poly Ball	Nylon	2	6	27	102	1.5m cable, 3 pos. JST connector

g—Requires the use of one valve driver interface (405-0143 or 405-0113) for ARC/TASC consoles unless the customer is using a 405-0074 or 405-0174 Power/Flow control harness.

Valve Driver Interfaces and Cables

405-0143	Valve Driver Interface for Mid-Tech® Regulating Valves—Standard Plumbing
405-0113	Valve Driver Interface for Mid-Tech Regulating Valves—Reverse Plumbing
405-0043	Valve Driver Interface for DICKEY-john Hydraulic Regulating Valve
404-0024	Adapter Cable for Raven Regulating Valve
404-0102	Adapter Cable for DICKEY-john Hydraulic Regulating Valve

Regulating Valve

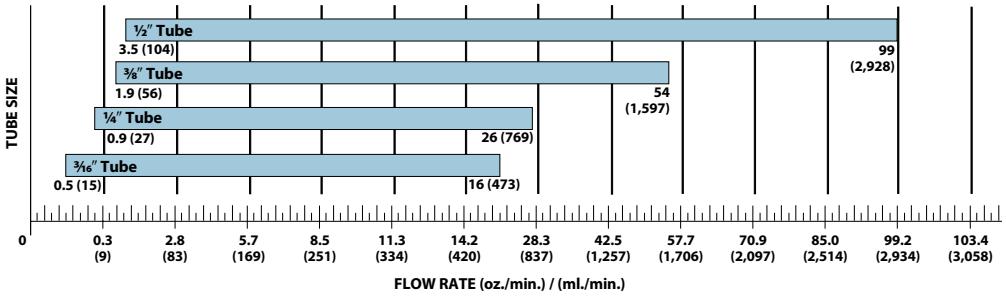
Advantages of Direct Chemical Injection Systems

- The main carrier tank is loaded with clean water, not mixed chemicals.
- Concentrated chemical is accurately injected and mixed just prior to being sprayed out of the boom.
- Reduced operator exposure to chemical concentrates.
- No pre-mixing of chemicals in the main carrier tank.
- No leftover mixed product at the end of the field to dispose of.
- Unused concentrated chemical remains safe and secure in a dedicated holding tank.
- The operator can quickly change from one chemical product to another without cleaning and rinsing the main carrier tank.
- Chemical application rates can be adjusted by varying the concentration of chemical injected into the carrier.

MT500 Injection Pump

- Extremely wide flow range of 0.2 oz. to 350 oz./min (6–10,350 ml/min).
- Innovative 5-roller design for more uniform product flow.
- Quick-release clamp for simple release of tension on pump tubes.
- Easy-access cover makes tube inspection and maintenance a snap.
- Quick-release connections on tubes make changes quick and simple.
- Optional calibration valve can be mounted directly to the pump providing a compact package that is easy to mount.
- Optional Reverse Prime feature allows the recovery of unused chemical concentrate from the injection lines at the end of the job.

Optimum Tube Selection Chart for MT500 Legacy® Pump



MT 600 Injection Pump

- Positive displacement piston pump with precise volume of chemical concentrate delivered with every stroke.
- Allows injection of chemical concentrate into the pressure side of the carrier pump simplifying system plumbing and permitting agitation of the carrier while injecting.
- Optional 2" mixing chamber available to ensure thorough mixing of the chemical and carrier.
- Chemically resistant wetted components, with stainless steel and powder-coated base and enclosure.
- Available for both TASC and Legacy controls, in four capacities:
  - 0.5–50 oz./min. (15–1500 ml./min.)
  - 1.0–100 oz./min. (30–3000 ml./min.)
  - 1.5–150 oz./min. (45–4500 ml./min.)
  - 2.0–200 oz./min. (60–6000 ml./min.)

PART NUMBER	DESCRIPTION	NOTE	CALIBRATION VALVE	REVERSE PRIME MODULE	45-05301 TASC SIGNAL CABLE	45-05302 POWER CABLE	45-06503 DCM PRODUCT HARNESS
MT 500 INJECTION PUMP PART NUMBERS							
90-06007	MT 500 Pump, TASC, with Calibration Valve	v, w	●	–	●	●	–
90-06023	MT 500 Pump, TASC, with Calibration Valve and Reverse Prime	v, w	●	●	●	●	–
90-06036	MT 500 Pump, TASC, No Calibration Valve	v, w	–	–	●	●	–
90-06039	MT 500 Pump, TASC, with Reverse Prime, No Calibration Valve	v, w	–	●	●	●	–
90-06046	MT 500 Pump, with DCM Product Harness and Calibration Valve	v	●	–	–	●	●
MT 600 INJECTION PUMP PART NUMBERS							
90-06026	MT 600 Pump, TASC, 0.5–50 oz./min. (15–1500 ml/min.)	w	–	–	●	●	–
90-06027	MT 600 Pump, TASC, 1–100 oz./min. (30–3000 ml/min.)	w	–	–	●	●	–
90-06028	MT 600 Pump, TASC, 1.5–150 oz./min. (45–4500 ml/min.)	w	–	–	●	●	–
90-02029	MT 600 Pump, TASC, 2–200 oz./min. (60–6000 ml/min.)	w	–	–	●	●	–
90-06043	MT 600 Pump with DCM Product Harness, 0.5–50 oz./min. (15–1500 ml/min.)		–	–	–	●	●
90-06034	MT 600 Pump with DCM Product Harness, 1–100 oz./min. (30–3000 ml/min.)		–	–	–	●	●
90-06044	MT 600 Pump with DCM Product Harness, 1.5–150 oz./min. (45–4500 ml/min.)		–	–	–	●	●
90-06045	MT 600 Pump with DCM Product Harness, 2–200 oz./min. (60–6000 ml/min.)		–	–	–	●	●
54-02044	2″ Mixing Chamber						
INJECTION PUMP CABLES							
45-05301	Injection Pump To TASC Console Signal Cable						
45-05302	Injection Pump Battery Power Cable						
45-05322	Ground Signal Cable For TASC Consoles						
45-06503	Injection Pump Product Harness For DCM						
45-05352	MT Series Injection Pump Signal Cable Extension—20′						
45-05107	MT Series Injection Pump Power Cable Extension—20′						

v—Be sure to order tube assembly also
w—1 each 45-05322 Ground Cable required per 3 Tasc Pumps

MT500 Tube Assemblies

PART NUMBER	COLOR	DESCRIPTION
70-04008	Red	3⁄16″ Polyurethane Tube Assembly
70-04009	Blue	1⁄4″ Polyurethane Tube Assembly
70-04010	Green	3⁄8″ Polyurethane Tube Assembly
70-04011	Yellow	1⁄2″ Polyurethane Tube Assembly
70-04012	Brown	5⁄8″ Polyurethane Tube Assembly
70-04013	—	Polyurethane Tube Kit Containing 1 Each 3⁄16″, 1⁄4″, 3⁄8″ and 1⁄2″ Tubes

Tanks, Bases, Agitation Consoles

PART NUMBER	DESCRIPTION	NOTE
CHEMICAL TANKS		
160-0001	7.5-Gallon Tank, 1⁄2″ Fitting	r
160-0021	7.5-Gallon Tank, 1⁄2″ Fitting with Agitation, 18′ Lead	r, s
160-0032	7.5-Gallon Tank, 3⁄4″ Fitting	r
160-0034	7.5-Gallon Tank, 3⁄4″ Fitting with Agitation, 18′ Lead	r, s
160-0033	25-Gallon Tank, 1⁄2″ Fitting	r
160-0035	25-Gallon Tank, 1⁄2″ Fitting with Agitation, 18′ Lead	r, s
160-0022	25-Gallon Tank, 3⁄4″ Fitting	r
160-0025	25-Gallon Tank, 3⁄4″ Fitting with Agitation, 18′ Lead	r, s
TANK BASES		
160-0005	Tank Mounting Base, Single, SST, holds 1 – 7.5-Gallon Tank	
160-0015	Tank Mounting Base, Dual, SST, holds 2 – 7.5-Gallon Tanks or 1 – 25-Gallon Tank	
AGITATION CONSOLES		
105-0002	Agitation Console, 2 Tanks, On/Off	
105-0012	Agitation Console, 1 Tank, Variable Speed Control	
105-0016	Agitation Console, 2 Tanks, Variable Speed Control	
OPTIONS		
170-0001-KIT	Agitation Kit, to add to 7.5-Gallon Tank	
170-0008-KIT	Agitation Kit, to add to 25-Gallon Tank	
402-0009	Cable, Agitation Power Extension–18′	
600-0024	Stainless Steel Propeller for 7.5-Gallon Tank (additional)	
600-0030	Stainless Steel Propeller for 25-Gallon Tank (additional)	

r—Requires base
s—Requires an agitation console from the following list.

7.5-Gallon/28.4-Liter Tank

Injection Accessories

PART NUMBER	DESCRIPTION	NOTE
160-0006	½" Female SST Coupler	t
160-0007	½" Male SST Coupler	
160-0026	¾" Female SST Coupler	t
160-0027	¾" Male SST Coupler	
500-0011	Single Flush Kit, ½" SST	t
500-0013	Dual Flush Kit, 2—½" SST	
500-0019	Triple Flush Kit, 3—½" SST	
500-0017	Flush Kit, ¾" SST	t

t—One required per pump. Match the size to the tank fittings you are using.

CALIBRATION CONTAINERS

908-0002	60 oz. Calibration Container

ROADSIDE SWITCHBOXES AND HARNESSES

405-0086	5-Boom Switchbox for Solenoid Valves, with Handgun, Auxiliary Power and GSO
402-0011	Solenoid Harness for 5-Boom Switchbox
405-0088	9-Boom Switchbox for Solenoid Valves, with Handgun, Auxiliary Power and GSO
404-0037	Solenoid Harness for 9-Boom Switchbox

(each Switchbox requires the appropriate Solenoid Harness)

TASC ROADSIDE BOOM INTERFACE FOR EXISTING BOOM SWITCHES

405-0092	9-Boom Status Interface with Handgun
405-0093	Roadside Switchbox with B/C/Handgun and GSO Only (use with 405-0092)

HANDGUN FLOW SENSORS

120-0003	Flow Sensor N.C. 1 GPM
120-0004	Flow Sensor N.O. 1½ GPM
120-0005	Flow Sensor N.O. ½ GPM

ROADSIDE CABLES

402-0009	18' Handgun Flow Sensor Extension Cable (use with 405-0092 or Legacy RMS)
404-0009	18' Handgun Flow Sensor Extension Cable (use with 405-0086 or 405-0088 TASC Boom Switchboxes)
404-0001	18' Auxiliary Power and Handgun Flow Sensor Extension Cable (use with 405-0086 or 405-0088 TASC Boom Switchboxes)
404-0002	3' Auxiliary Power and Handgun Flow Sensor 'Y' Cable, CPC-to-CPC (use with 405-0086 or 405-0088 TASC Boom Switchboxes)

FLOW MONITORS

105-0007	Chemical Flow Monitor Console, 4 Position—Accessory Power Required	u
105-0008	Chemical Flow Monitor Console, 4 Position—Auxiliary Power from Mid-Tech® TASC Boom Switchbox	u
105-0017	Chemical Flow Monitor Console, 6 Position—Accessory Power Required	u

u—Requires Chemical Flow Sensor from list below—one per pump.

SENSORS

120-0030	Chemical Flow Sensor, Ultra Low Flow (6–64 oz./min.)–25'
120-0020	Chemical Flow Sensor, Low Flow (35–256 oz./min.)–25'
120-0021	Chemical Flow Sensor, Medium Flow (140–512 oz./min.)–25'
120-0022	Chemical Flow Sensor, High Flow (360–1024 oz./min.)–25'
57-00067	Chemical Flow Monitor Sensor (35–256 oz./min.)–2' CAN
57-00068	Chemical Flow Monitor Sensor (140–512 oz./min.)–2' CAN
57-00069	Chemical Flow Monitor Sensor (6–64 oz./min.)–2' CAN

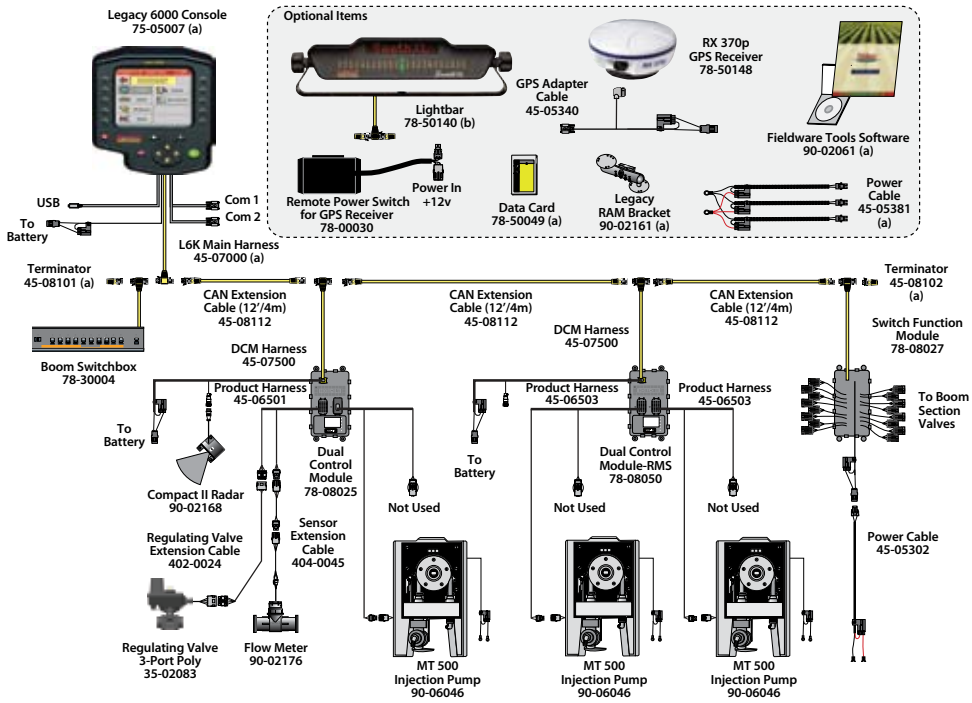
OPTIONS

404-0045	Chemical Flow Sensor Extension Cable–18' (3-Pin Weatherpak)
404-0039	Chemical Flow Sensor Extension Cable–25' (3-Pin Packard Weatherpak)
404-0003	Replacement Signal Cable–25' (3-Pin Weatherpak to 4-Pin Conxall)

Chemical Flow Monitor Console

Chemical Flow Sensor

Legacy 6000 RMS-CAN 3 Product Injection with Carrier Control



Legacy 6000 3-Pump Injection System Checklist

	PART NUMBER	DESCRIPTION
Console Kits	**90-02366**	Legacy 6000 Kit, Basic (contains parts identified in the system diagram with an (a))
	90-02367	Legacy 6000 Kit, Basic with Lightbar (contains parts identified in the system diagram with an (a) and (b))
	90-02368	Legacy 6000 Kit, Basic with Lightbar and ISM (contains parts identified in the system diagram with an (a), (b) and (c))
	99-01009	License for Multiple Product Variable Rate Applications (not required for non-VR Multiple Product, or for Single Product VR)
Boom Switchboxes and Input Status Modules	**45-07602**	ISM, 10 boom
	45-07601	ISM, 29 boom
	78-30009	Boom Switchbox, Booms 1–5
	78-30004	Boom Switchbox, Booms 1–10
	78-30005	Boom Switchbox, Booms 11–20
Switch Function Modules	**78-08027**	SFM, Booms 1–10
	78-08035	SFM, Booms 11–20
	45-05302	SFM Power Cable (one required per SFM)
DCM and Power / Speed Harness	**78-08025**	DCM w/ Fieldware
	45-07500	DCM Harness with CAN, Power and Speed Connections (one required per DCM)

	PART NUMBER	DESCRIPTION
DCM Application Control Harnesses Carrier (one required per product)	**45-06501**	DCM Product Harness, Servo Valve + One Frequency Type Sensor Input (Sensor A)
	45-06502	DCM Product Harness, Servo Valve + Two Frequency Type Sensor Inputs (Sensor A/B)
	45-06505	DCM Product Harness, Servo Valve + One Frequency Type Sensor and One Analog Sensor Input (Sensor A/E)
	45-06516	DCM Product Harness, Servo Valve + Two Frequency Type Sensor and One Analog Sensor Inputs (Sensors A/D/E)
Injection Pumps	**45-06503**	DCM Product Harness, Injection Pump Drive + Flow Monitor Input (Sensor D – Sensor A used by pump)
	45-06517	DCM Product Harness, Injection Pump Drive, Flow Monitor Input, and Agitation Output (Sensor D – Sensor A used by pump)
CAN Extension Cables	**45-08106**	6' CAN Extension Cable
	45-08112	12' CAN Extension Cable
	45-08117	20' CAN Extension Cable
	45-08118	30' CAN Extension Cable
Power Cables (Standard 2-Position Weatherpack)	**401-0016**	Battery Cable, 2', 1 Lead
	45-05037	Battery Cable, 2', 2 Lead
	401-0011	Battery Cable, 2', 3 Lead
	45-05381	Battery Cable, 12', 3 Lead with Fuses
	45-05160	10' Power Extension Cable, Fused
	45-05161	20' Power Extension Cable, Fused
	45-05162	30' Power Extension Cable, Fused
Fieldware Office Software	**90-02061**	Fieldware Office Software CD and Manual

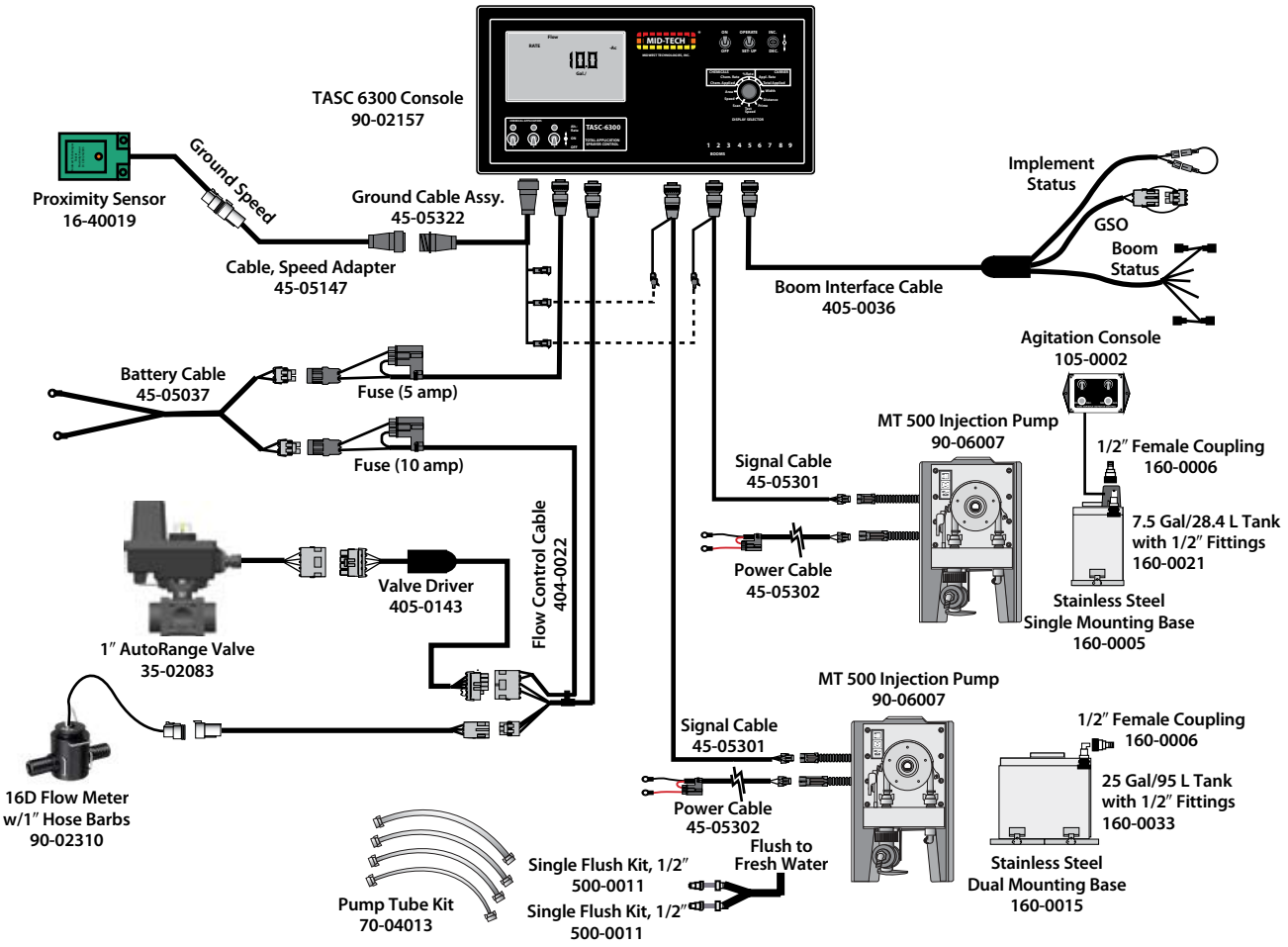
Regulating Valve and Cables
See page 167 for regulating valve details.

Flow Meter and Cables
See pages 167 for Flow Meter valve details.

Speed Sensor and Cables
See pages 164 and 165 for speed sensor details.

GPS Receivers See page 125 for GPS receiver details.

Injection System Components
See pages 169 and 170 for injection system components.



TASC Direct Chemical Injection System Checklist (Typical system-carrier plus two pump injection)

	QTY	PART NUMBER	DESCRIPTION	CATALOG PAGE NUMBER
Console	**1**	**90-02157**	TASC 6300 Console Kit	132
Speed Sensor	**1**	**16-40019**	Proximity Sensor	164
	1	**45-05147**	Speed Adapter Cable	165
Flow Meter	**1**	**90-02310**	16D Flow Meter with 1″ Hose Barb	163
	1	**45-05315**	Adapter Cable for D Series Flow Meters	163
Regulating Valve	**1**	**35-02083**	1″ AutoRange Valve	167
	1	**405-0143**	Valve Driver Interface	167
Cables	**1**	**404-0022**	Flow Control Cable	165
	1	**45-05037**	Power Cable, 2 Lead	165
Boom Status Cable	**1**	**405-0036**	5-Section Boom Status Cable	133
Injection Pumps	**2**	**90-06007**	MT 500 Injection Pump	168
	1	**45-05322**	Ground Signal Cable	169
Injection Accessories	**1**	**160-0021**	7½-Gallon Tank, ½″ Fittings, with Agitation	169
	1	**160-0005**	7½-Gallon Tank Base	169
	1	**160-0033**	25-Gallon Tank, ½″ Fittings	169
	1	**160-0015**	25-Gallon Tank Base	169
	2	**160-0006**	½″ Tank Fittings	169
	2	**600-0011**	½″ Flush Fittings	169
	1	**105-0002**	Tank Agitation Console	169
	1	**70-04013**	Pump Tube Kit	169